

IS GREENWICH TIME ALWAYS RIGHT? By Prof. H. H. TURNER.



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EVERY FRIDAY.

Two Pence.

OFFICIAL  
PROGRAMMES  
OF  
THE BRITISH  
BROADCASTING  
COMPANY.

For the Week Commencing  
SUNDAY, September 7th.

LONDON CARDIFF  
ABERDEEN GLASGOW  
BIRMINGHAM MANCHESTER  
BOURNEMOUTH NEWCASTLE  
SHEFFIELD (Relay)  
PLYMOUTH (Relay)  
EDINBURGH (Relay)  
LIVERPOOL (Relay)  
LEEDS—BRADFORD (Relay)  
HULL (Relay)

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RATES OF SUBSCRIPTION to "The Radio Times" (including postage): TWELVE MONTHS (Foreign), 15s. 6d.; TWELVE MONTHS (British), 12s. 6d.

Mixed Thoughts on Broadcasting.

By E. V. LUCAS, the Distinguished Essayist.

ALL through the bad weather of this last summer there were grave melancholy persons—not always, but usually, men, and often men in clubs with nothing to do but ponder on disaster and find reasons for it—who attributed the foul weather and the persistence of it solely to wireless. It is true that by other thinkers other causes were found, too, ranging from the construction of the Panama Canal to the evil activities of the Labour Government, but the broadcasting theory had the most adherents. "All this monkeying with electricity," they would glowingly say, "can't be good for the world. Letting loose dangerous forces like that! If there's the devil to pay, no wonder." And so on. "And mark you," some of them would darkly add, extricating themselves with an effort from their armchairs on the way to lunch, "and mark you, we're not at the end of it yet."

\* \* \*

Of course, if it is a fact that our ruined cricket season was due to broadcasting, I am against it, but that is not my chief quarrel with the invention; my chief quarrel is that it is another form of dream-drinking, another menace to the formation of character. It is the latest manifestation of our deplorable modern tendency to allow machinery to take the place of individual effort and to make the processes of thought, application, purposefulness, and all mental discipline superfluous. The piano-player and the gramophone made it a waste of time any longer to become musicians; the cinema hypnotized us into unworthy inertia, and now broadcasting comes to tickle our ears with trifles and sidetrack our brains.

\* \* \*

I refer to the people who spend hours at the receiver. But those who have no interest in broadcasting are hit by it, too, for it is the death of conversation and repose. In no room where there is a wireless set can you, between certain times, count on a moment's peace or detachment. For fear of losing something in the programme some-

one is for ever dashing over to the funnel, someone is always made hideous by ear-pieces. (Years ago, the story goes, Herbert Spencer, the philosopher, invented ear-pieces to isolate himself at dinner parties when he had had enough of his partner's chatter. It is amusing to think that a similar arrangement should now be eagerly donned lest any chatter be missed. The only difference is that his were protectors.)

\* \* \*

I have already told somewhere the story of the boy in a country house who broke up some good after-dinner talk by bursting in, almost tearfully, with the appeal, "I do wish you'd all be quiet. They're playing 'God Save the King' at Birmingham." That occurrence may be taken as typical. If the interrupter is not a boy it is someone else; conversation is finished. Hostesses who want intellectual guests in their houses will soon have to add to their invitations the words "No Wireless."

\* \* \*

The prevalence of broadcasting continually surprises me. Every Sunday I am more and more impressed by the good clothes of those whom we are accustomed to call "the poor," and particularly of the splendour of their younger children, but even more I am impressed, coming into London by any line that intersects mean streets, by the number of "the poor" who can afford wireless sets. It goes to show what a lot of rubbish is talked about these very fortunate people. For the real poverty of England



Mr. E. V. LUCAS.

(Continued overleaf in column 2.)

# My Favourite Radio Song.

By Norman Allin, the Famous Bass.



MR. NORMAN ALLIN.

"I Am a Roamer," from Mendelssohn's *Home and Stranger*, and the gramophone record I made of it has been a success. But I would not choose it as an item for broadcasting, because of its galloping tempo. It might almost be called a "patter song," although I believe that term for a certain type of song, where the tune seems to have some difficulty in keeping up with the words, was not in existence when it was written.

#### Music That Sings Itself.

Similarly, such a fine item as Dr. Bartolo's song from *Figaro*, a song I delight to sing on the stage, is ill-fitted for the listener, for a like reason. But, on the other hand, good music which is broad and melodic is, all things being equal, ideally suitable. As examples of what I mean I could not quote better instances than the two Sarastro Arias from the *Magic Flute*, two bass songs of full rich tone and easy melodic movement, which do not become blurred and unintelligible in transmission.

I must confess I am sufficiently old-fashioned to love the mezzoist in music. By the time these remarks are in print, for instance, I shall have visited nearly all the provincial Radio stations in Britain to sing, amongst other things, Schumann's "Dichter Lieber" (Poet's Love), which, as every musician knows, is full of melody.

## Wireless Prophecies.

#### Shall We Ever Think by Radio?

IT is probable that in the near future everyone of us will find life made very much easier by the use of wireless. Radio science is making strides towards doing for our eyes what it has already done for our ears—in other words, towards seeing by wireless.

Pictures have already been sent by wireless; perfection is only a matter of time. When all these things come to pass, business men will find that they can accomplish much more with much less effort and energy. The financier, for instance, will conduct his business from his home, perhaps miles from the city, in the depths of the country. He can listen to and talk to his clients or colleagues by radio, he can see them by radio, and by radio write his letters.

#### Our Thoughts No Longer Secret.

These are the opinions of Professor A. M. Low, who has written a very readable little volume entitled "Wireless Possibilities" (Kegan Paul, 2s. 6d.). Dr. Low also forecasts the invention of a telescopic camera which will take photographs and transmit them by wireless to the cinemas, where thousands will be able to see what is happening miles away from them, at the same moment that it is happening.

Dr. Low goes so far as to hint that the day may come when our thoughts will be read by radio! "Who knows but that the electrical operation of thought may be reduced to a science so that our very ideas are not secret without protection?"

## Mixed Thoughts on Broadcasting.

(Continued from the previous page.)

you must go to a higher social stratum: the people who can't afford new clothes, and cinemas, and wireless are not "the poor," but those who, with depleted incomes and an increased cost of living to face, have to keep up appearances. "The poor" deny themselves nothing.

\* \* \* \*

All new inventions do harm to some industry or other. Gunpowder must have been a serious blow to the bow and arrow trade, while when printing came in, the poor scribe had to go out. The discovery of gas hit the candle-makers pretty hard, just as the invention of matches had damaged the chippers of flints. The rise of the cinema meant the fall of many theatres and music-halls, and the entry of the gramophone can have done no good to the pianoforte firms; and now I don't suppose that the gramophone people are over-pleased with broadcasting.

\* \* \* \*

In a house in Buckinghamshire where I was staying recently everyone, at the moment for which they had been waiting, began to dance, not to any instrument in the room, but to the strains of the band at the Savoy Hotel in the Strand, thirty-five miles away. In ten thousand houses the same impulse probably was setting other couples capering. The two lasted longer than an ordinary gramophone record, nor did anyone, at the close, have to leap across the room to remove the needle. It is true that gramophones can be carried about (oh, the gramophones on the river!) and started at pleasure at all hours, and the tunes can be chosen for oneself, whereas broadcast music is to be had only at fixed hours and according to programme; but I am in no doubt as to the rivalry now, and the increased rivalry that is coming, for inventors are implacable.

\* \* \* \*

Does the conductor of the Savoy Band, I wonder, think about those myriad feet? But what a power to wield!

\* \* \* \*

I listened in a market train the other day to two country men who were discussing the new invention. One had installed it, and the other had not. "I'll tell you two good things about it," said the devotee. "You get the time from Big Ben every night at ten o'clock and you can do without the newspaper." Before very long, I should guess, the supersession of newspapers will be widespread. Never complete, of course, because there must always be things in the paper which could not well be either communicated by wireless or rightly apprehended by a listener; but the record of the chief events of each day is likely to be more and more conveyed in the new way, to the total satisfaction of subscribers. There may even follow from it a reaction against reading and writing—such are the dangers of the mechanicalization of life which we are now encouraging!

\* \* \* \*

All the same, when I was driven, as I was recently, over the Berkshire Downs, along remote and desolate roads at the back of Wantage, and passed a small farmhouse miles from the nearest station, and noticed the tell-tale rigging overhead, I realized that broadcasting can on occasion be more than a frivolity, it can be a friend. I was glad to think that this forlorn household had the benefit of it. I hope that wireless is being fitted to lighthouses and, even more, to lightships.

## Learning by Ear.

#### Listening for Shorthand Writers.

THE value of listening to the shorthand writer is obvious to anyone who has sat with the 'phones on ready to take down a "talk." In an article in *Putman's Journal*, Mr. Arthur Bowes makes some interesting remarks on the subject.

"Accent and dialect in spoken language are of paramount interest to the shorthand writer," he says, "and in this respect the student who continuously hears only the language spoken in his own part of the country is at a disadvantage. He grasps without effort the intended words. But when the wireless brings him its messages they are more cosmopolitan in their vocal character. They may be tinged with the accents of Scotland, Ireland, America, of Lancashire or Yorkshire, or, very often, of that estimable version of the language commonly heard in the South of England."

#### Your Friend the Dictionary.

"After a time he learns that in the first syllable of a word which sounds to him like 'grednal' the vowel must be written as a 'first-place' one; such phrases as 'saw gled to hev' he learns to translate into their true English pronunciation.

"One very practical way in which the messages may be utilized by the student is for him to keep a critical ear on the pronunciation of words and, noting them at the time, to verify their accuracy afterwards in the big, fat dictionary which is his steadfast friend."

# Official News and Views. GOSSIP ABOUT BROADCASTING.

## No New Suburban Station.

In a recent issue of a contemporary it was suggested that the B.B.C. had selected a site for a new 1,600 metres station in a North London suburb. No site, however, has even been considered, nor will be until the Post Office decision regarding the erection of such a station has been communicated to us. In anything that is done the interests of the public will have first consideration.

## New Times for Weekday Transmissions.

Beginning on September 28th the new times for weekday transmissions will be as follows:

7 p.m.	First News.
7.10 p.m.	First Talk.
7.30-8.30 p.m.	Programme.
9.30 p.m.	Second News.
9.40 p.m.	Second Talk.
10 p.m. and onwards.	Programme.

Sunday arrangements remain unchanged.

## Popular Old-time Tunes.

The success of the first Veterans' night programme by the Veterans of Variety, given at the London Station on July 31st, has induced London to prepare a similar programme for September 10th. From 8 p.m. to 9.40 p.m. on that date a special selection of popular old-time tunes will be given under the chairmanship of Mr. Wilfrid Rouse, the programme being prepared by Mr. Robert Chignell. In addition to the re-engagement of Miss Ray Wallace and Mr. Charles Coborn, Mr. Jay Kaye will give selections from Dan Leno's audience, "Buying a House" and "The Huntsman." These items were selected by the late King Edward, on one occasion when Dan Leno gave a performance at Sandringham. Mr. Frank Wood will give impressions of Albert Chevalier, Eugene Stratton and other well-known stars.

## "Black Eyes" in Dutch.

An hour of the same programme will be given by the "Stars of Variety," including Tom Costello and Marie Collins. When the former Veterans' Programme was given, Mr. Charles Coborn sang in Dutch the chorus of one of his most popular songs, "Two Lovely Black Eyes." He was interested to learn shortly afterwards that he was heard clearly in Amsterdam.

## Broadcasting Ouida's Plays.

After the play *Under Two Flags*, by Ouida, was produced by Mr. William Macready and broadcast from the Birmingham Station in June last, some hundreds of letters of appreciation were received. As a result of its broadcast popularity, Mr. Harold Rayner, whose Repertory Company of players has been appearing in Birmingham for some months, received over five hundred letters requesting him to include *Under Two Flags* in his repertoire during his present successful season. In response to these requests, Mr. Rayner produced the play in

Birmingham during the week commencing August 18th with considerable success.

On September 12th *Meths*, by Ouida, is being produced by Mr. William Macready at the Birmingham Station, by arrangement with Mr. Harold Rayner.

## Another Query Programme.

On September 20th the London Station will give another Query Programme. Listeners will again be invited to submit a draft of the programme to the London Station Director, complete with the names of the artists, items, and name of the announcer, as it would ordinarily have been published in *The Radio Times*. The most successful entrant will be awarded a prize of Five Guineas, and two other prizes of Two Guineas each will be given. The five most successful competitors will be invited to spend an evening at the London Studio. The portion of the programme concerned in this competition will be that broadcast between 8 p.m. and 10 p.m.

## Director of the Cape Town Station.

Mr. C. H. King, who was at the London Station for some time, and has lately been assisting the Station Director of Cardiff, sailed for South Africa recently to take up the position of Director at the new broadcasting station at Cape Town. Mr. King hopes to inaugurate a feature which should be of interest to the younger generation—namely, an interchange of letters between British and South African child-listeners.

## A Play for the Microphone.

There are distinct signs of the evolution of a new technique for the broadcast play, and Cardiff's production of *Disclosure*, on September 5th, is an interesting development in this direction. The play, written by Captain Ivor McClure, D.S.O., and O. Wyndham, deals with international intrigue in an up-to-date setting and the machinations of a scientific schemer provide a thrill which is sustained till the call of "curtain."

## The North of England Musical Tournament.

We regret that in our issue of August 8th in the Newcastle programme for August 16th we wrongly described certain of the winners in the North of England Musical Tournament who contributed to the Newcastle programme on that date. Miss Jennie Townsley was described as "Tied First Open Pianoforte Class." This was an error and should have read "Second in Quick Study in Open Pianoforte Class." The winners of the first prize in this latter class were Miss Evelyn Barrow and Miss Annie Armstrong, who tied. Again, Mr. Norman Curry was incorrectly described as "First Prize Winner in Open Baritone Class," instead of "Second Prize Winner," the winner of the first prize being Mr. George Magnay. Miss Flora Macdonald was the prize winner in the "Advanced Pianoforte Open Class."

## A Prophecy Fulfilled.

On Tuesday, September 5th, Major-General Wright, C.M.G., will broadcast from Cardiff the story of a miracle of modern engineering, "How water was brought from the Nile into Jerusalem." It is a story of dogged perseverance in the face of almost insuperable difficulties of Nature, and throws an interesting sidelight on our activities in the Near East during the War. In the early part of 1917, with the Turks repulsed from the Suez Canal, a new objective presented itself in the conquest of Southern Palestine, but with every advance of our forces the problem of maintaining the water supply became increasingly serious, and Major-General Wright accepted the task of providing a water-pipe to follow our army into the desert.

Kantara, a village on the Suez Canal, was chosen as the base for this undertaking and was quickly transformed into a railway and water terminus. Hundreds of miles of piping had to be laid and tons of stone transported from distant quarries for the building of reservoirs. But in an incredibly short time the pipe was smoothly performing its function and steadily advanced until, culminating in the fall of Jerusalem, it reached the heart of the Holy City.

There is an old Arab saying that when the Nile should flow into Palestine, a prophet from the West would drive the Turks out of Jerusalem, and this modern achievement is the romantic fulfilment of the ancient prophecy.

## "Wireless Waves" Competition Result.

In our issue of August 15th, we published a picture of four listeners entitled "What Are the Wireless Waves Saying?" and offered a prize of a five-guinea crystal set to the reader who sent in the best answer to this question. The winner is Mr. F. J. Lindley, 73, Cross Flatts Street, Beeston, Leeds, whose answer was "Health Notes—'and the best treatment for obesity is two light meals a day only.'"

## WIRELESS EDUCATION.

"Ow did ye like Beethoven's 9th Symphony last night on the old crystal?"  
"Bit too 'ackneyed, old boy!" "Ad it three times in the last six months."



# The Despairing Musician.

Tchaikovsky, the Moody Russian. By R. D. S. McMillan.



P. I. TCHAIKOVSKY.

that typical Russian melody is a dirge of bleak despair. And the crown of chief exponent of this despair might fittingly adorn Tchaikovsky.

## A Life Without Pleasure.

It is doubtful if Tchaikovsky experienced any conscious pleasure, apart from the joy of creation, in the tonal expression of his morbidity; and we may take it for granted that it was the only work of which he was capable, being the articulation of suggestions as they occurred to him in a non-voluntary process over which he had no control. In other words, it was all quite natural to him, and we cannot point to any external influences in his life, unless perhaps in later years, which might have turned his thoughts into such channels as made him the mouthpiece of "melancholy in all her sov'ren moods."

His opera, *The Oprichnik* (completed in 1874), is an example of this side of Tchaikovsky's genius, and it would be a hard task to discover anything more gloomy and tragic even among Shakespearean dramas. It is interesting to recall in this connection that *Hamlet* captured Tchaikovsky's fancy to the extent that he wrote incidental music to it, and was attracted to it again and wrote a fantasia-overture upon it.

## Genius in Poverty.

Born on May 7th, 1840, Peter Ilich Tchaikovsky was a civil servant in St. Petersburg before he embraced music as a career. We are told that when at the age of twenty-two he started to take classes in music, he showed so little inclination for serious work, he was such a dilettante, that his teacher was anything but impressed by him, and it was not until some time had elapsed that the youthful musician began to feel the call of his art and became aroused from his lethargy, his indifference giving place to a really creative and individualistic interest. To maintain himself, he took to teaching, and at the age of twenty-six we find him acting in this capacity at Moscow Conservatoire. He was glad of the post, for previously his earnings as a teacher had totalled the munificent sum of five shillings a month! He was forced at this latter-mentioned period of his career to wear the cast-off clothing of his wealthier friends.

His earliest works aroused keen criticism from his friends, particularly N. Robinstein, and so repeated were his disappointments in this direction that the wonder is he did not lose heart.

His symphonic poem "Winter Day Dreams," the work that we now know as his First Symphony, was perhaps the best of this early work, yet it, too, came in for its share of strictures. His first opera, *The Fugue*, begun when he was twenty-six, was so unfavourably criticized that the disheartened youth burnt most of it, and a similar fate befell some other works. Gradually, however, musical

circles in Moscow began to appreciate his power.

In 1878 occurred a curious incident in Tchaikovsky's life. He had been hungering for the wherewithal which would render him sufficiently independent to enable him to retire and compose in peace. And like some good fairy appeared one who was to be instrumental in bringing about the realization of the composer's dream. This good friend was a woman, who, however, at first insisted upon keeping her identity a secret. She was a Madame von Meek, and the composer, in dedicating one of his works to her, terms her "My good friend." This romantic episode had its dramatic counterpart in a happening which was to have a much more important, and tragic, effect.

## A Mysterious Marriage.

Up to 1877 the even tenor of Tchaikovsky's way had been practically undisturbed except by occasional mental crises in relation to his art. In that year, however, he took a quite unexpected step, for he suddenly got married. What is more, he did so out of pity for a girl who had confessed in a letter that she loved him! The whole affair reads like some story in fiction—and to add piquancy to the mystery there is the remarkable fact that the name of the girl he married is unknown.

The marriage was a disastrous failure, a fact which arouses little surprise when we remember that Tchaikovsky, writing of the subject, remarked: "To live for thirty-seven years in congenital antipathy to marriage and then suddenly to be made a bridegroom without being in the least charmed by the bride—that is something horrible!" He went through with the ceremony because: "No one can escape his fate, and my meeting with that girl was fatality." A few days after the marriage, Tchaikovsky came to a full realization of the blunder he had committed, and he tried to solve the problem by standing in an ice-cold river with the water up to his neck in the hope that he would catch pneumonia!

## The Sealed Document.

Whether we shall ever learn the cause of the parting, or for that matter the full story of the marriage, it is impossible to say; but probably some fresh light will be shed upon the mystery by the document which was left by Tchaikovsky's great friend, Kashkin, which is not to be opened until 1927.

Following the marriage and parting, the composer's health broke down, and not long after, thanks to the financial help from his benefactress, he took a house at Klin, whither he went to a retirement which in later years was to become complete. In time they came to call him "The Hermit of Klin." During this later period—in 1893, to be exact—he wrote his beautiful Sixth ("Pathetic") Symphony.

## Attacked by Cholera.

Although he was not yet an old man—he was fifty-three—the shadows were beginning to fall. In this year he so far emerged from his solitude as to visit England, where he received the degree of Doctor of Music from Cambridge University. Two years before he had visited the United States and in 1888 he had gone on a concert tour of Germany. In the autumn of the year in which he came to England he was attacked by cholera, and on October 14th the world learned that he had surrendered his soul to Eternity. Of the actual passing we know little—yet probably it was as he wished, that he should thus unobtrusively meet his end.

[On Saturday, September 13th, a popular Tchaikovsky programme will be broadcast from London.]

# "My Lady Molly."

## The Story of the Opera.

This comedy opera will be broadcast from London on Thursday, September 11th (S.B. to all Stations). The following synopsis of the work will enable listeners to follow it with increased interest.

THE scene of Act I is the courtyard of the Coverdale Arms, in the middle of the eighteenth century. The servants are preparing for the Meet of the Coverdale Hunt. LIONEL BLAND enters, asking if a letter has come for him. It is from Alice Coverdale, whom he loves, and says that her father intends betrothing her to Captain Romney. Lionel sings "There is a little maid I know." The Landlord ushers in ALICE and her governess, Mlle. MIRABELAU. Lionel urges Alice to resist her father.

MICKEY O'DOWD, Captain Romney's servant, enters. Song (Mickey) "Ye serve a man for nine years." Lady MOLLY MARTIN-GALE and her maid, HESTER, now arrive. She will await Capt. Romney whom she loves, and whose betrothal to Alice she wishes to prevent. She sings "Oh, I'll greet him soft and low." Mickey puts into Lady Molly's head the idea of dressing in the captain's clothes and presenting his letters of introduction to Sir Miles Coverdale, who has never seen him.

Sir MILES COVERDALE and the Hunt now ride in (General Chorus). His daughter appears with Lionel, who protests that he loves her. Alice refuses to be betrothed to the Captain. (Song, "The Merry Medieval Maid.") Sir Miles is so upset that he refuses to hunt that morning. (Ensemble.) Captain HARRY ROMNEY now arrives. Mickey persuades the Landlord the newcomer is a desperate character. Lionel picks a quarrel with the Captain (Duet) and they go off to fight.

Lady Molly enters in the Captain's clothes and is introduced by Mickey to Sir Miles and Alice. Mickey tells the squire that a certain highwayman (Romney, of course) will impersonate the Captain and carry off his daughter. Lionel and Romney return, and when the Captain names himself, Sir Miles sees in him the villain of Mickey's plot. Lionel and the captain are arrested by Officers of the Peace.

The Scene of Act II is the drawing-room of Coverdale Castle, where the servants are ushering in the last arrivals to Sir Miles' betrothal party. (Chorus.) Alice sings, "I used to be a good girl now." Sir Miles tells Lady Molly the "false" Romney is safely locked up. She perceives that Alice is falling in love with her in her disguise, and sends Mickey with a letter to Romney. Mickey tries to find out from Mlle. Mirabeau where Romney is imprisoned. She puts him off. Mickey is fairly caught by the designing Frenchwoman. Lady Molly wishes she could see Romney alone. (Song, "Once too often.") Alice comes in to her and declares her affection. Lady Molly is led to disclose herself.

The officers bring in Romney, for whom Mickey promises to be responsible. Mickey discloses Lady Molly's impersonation. Romney sings: "There's an eye that is watching me." Lady Molly enters. Romney draws his sword from his "rival." She faces him, as Lionel enters. He wishes to interfere. It is for him to fight this rival to the hand of Alice. Alice comes in and rushes to defend her darling "Harry." Lionel is hurt and threatens to chastise his rival, Lady Molly. The tumult has attracted Mickey and Hester, who announces the arrival of Sir Miles. Sir Miles comes in.

Judge Romney is announced. The Judge tells Sir Miles he has been called by letter, intimating that an impostor is impersonating his son. This leads to a general explanation, and the three pairs, Alice and Lionel, Lady Molly and Romney, Mickey and Mlle. Mirabeau, are happily united at the final curtain.

## EVENTS OF THE WEEK.

SUNDAY, September 7th.  
LONDON, 3.30.—Band of the Royal Military School of Music. S.B. to Newcastle.

LONDON, 9.0.—Vladimoff's Balalaika Orchestra.  
BIRMINGHAM, 9.0.—An Evening with the Composer, Mackenzie.  
BOURNEMOUTH, 8.30.—Symphony Night.  
CARDIFF, 8.45.—Beauty in Music and Song.

MONDAY, September 8th.  
LONDON, 9.20.—First Night of Pavlova Season. Act II. of the Ballet, "Don Quixote." S.B. to all Stations.

TUESDAY, September 9th.  
LONDON, 8.0.—An Hour with Easthope Martin.  
CARDIFF, 8.0.—"The Glamour of the East."  
NEWCASTLE, 8.0.—Violin and Pianoforte Recital by Albert Sammons and William Murdoch.  
ABERDEEN, 8.30.—Ancient and Modern Scotch, Early English and Italian Songs. S.B. to Edinburgh.

WEDNESDAY, September 10th.  
LONDON, 8.15.—Pavlova Season. Act I. of the Ballet "Don Quixote."  
BIRMINGHAM, 8.0.—"La Fille de Madame Angot," a Comic Opera by Lecocq.  
NEWCASTLE, 8.0.—Schubert Evening.  
ABERDEEN, 7.30.—Violin and Pianoforte Recital by Albert Sammons and William Murdoch.

THURSDAY, September 11th.  
LONDON, 8.0.—"My Lady Molly," a Comic Opera by G. H. Jessop and Sidney Jones. S.B. to all Stations.

FRIDAY, September 12th.  
BOURNEMOUTH, 8.30.—Programme of the Works of Berlioz, Liszt, and Wagner.  
MANCHESTER, 8.0.—Chamber Music.  
GLASGOW, 8.15.—Plantation Memories.

SATURDAY, September 13th.  
LONDON, 8.0.—Popular Wagner-Tchaikovsky Programme.  
BIRMINGHAM, 8.0.—Programme of Mirth and Melody.  
CARDIFF, 8.0 and 7.30.—"5WA'S" Garden Party, relayed from Sophie Gardens.  
ABERDEEN, 8.45.—"On the Death of the Duke of Wellington," by Lord Tennyson. Music by Sir Charles Villiers Stanford. Spoken by R. E. Jeffrey. S.B. to Edinburgh.

A LAW has been recently passed in Germany ordering the installation of a wireless set on every aviation landing ground, which will allow for reception of meteorological bulletins from all parts of Europe and for communication with passengers in the aeroplanes.

A LISTENER in Algiers, using a crystal receiving set, has heard "5XN," the R.B.C.'s high-power station at Chelmsford, and the station was heard with almost perfect clarity. The distance between the station and Algiers is roughly 1,000 miles, a world's record.

WIRELESS with wires is the latest American development. For some months programmes have been broadcast over the electric lighting wires at Staten Island, New York. It is hoped that in the near future it will be possible to send several programmes over the same wires at the same time! The programmes are received by placing a plug in a lighting socket and attaching it to a small receiving set.

## PEOPLE IN THE PROGRAMMES

## "I Must Dance!"

ON September 8th the incomparable dancer, Miss Pavlova, will open a season at Covent Garden, and part of the music on the first night—and also on September 10th—will be broadcast.

Miss Pavlova decided to become a dancer when she was quite a little child. She was taken by her mother to see a ballet. The dancers fascinated her, and she exclaimed, enthusiastically, "Oh, mother, that's what I want to do. I want to be a dancer, too. I must dance. I'll never do anything else when I grow up."

So determined was she that before she was ten she entered the Imperial School of Dancing in St. Petersburg, and studied under M. Petipa, who danced with Taglioni and the great dancers of the past. And when the curtain fell after her *début*, the old dancer put his hand on her head and said, "My child, you are the only woman fit to dance in Taglioni's shoes," so impressed was he with her performance.

## A Singer from Africa.

A BASS singer who is a favourite with listeners is Mr. John Van Zyl, who is to sing at Bournemouth on September 10th and at London on September 11th.

He made his public appearance in Kimberley at the age of eighteen. When only twenty he won the Eisteddfod open to all Africa, and since then he has appeared in every important centre in the South African continent.

In 1918 Mr. Van Zyl came over to England on a health trip and studied at the Royal Academy of Music.

Since then he has appeared at most of the principal concerts in England.

## "An Infant Prodigy."

MISS BEATRICE BELLINI, the pianist, who is playing at the London station on Sunday, September 7th, has been a regular wireless performer over since the early days.

Miss Bellini tells an amusing story about a wealthy, but uncultured, woman who had a little girl who could play a number of tunes on the piano. One day a friend called, and, noticing the piano, asked if either of them could play the instrument.

"Oh, yes," said the fond mother. "Mary plays beautifully."

The visitor said she would be delighted if the little girl would play for her. Mary did so, much to the secret amusement of the visitor, who was a doctor of music.

The visitor then herself played on the piano, giving renditions of Wagner, Mozart and Chopin.

The same evening the mother of the "prodigious" youngster remarked to her husband:—

"Of course, Mrs. Blank is not a bad player, but not at all as clever as my Mary. She had to use all the fingers of both her hands, but Mary could do it all with one finger."

## The Lights that Failed.

A GREAT deal of interest was aroused over John Henry's recent exploit—broadcasting from an aeroplane. It is not generally known that the genial Yorkshireman began his career as a reporter in his native town of Wakefield, but he is a born entertainer, and after the war he took up music-hall work with marked success. His advent as a wireless "star" was hailed with enthusiasm by listeners everywhere, and to-day his popularity is unbounded.

During his years on the stage John Henry has had many amusing experiences. On one occasion he was at a London music-hall when the lights failed. He asked the manager if he could go on then, and although quite in the dark, he kept the audience in roars of laughter for fifteen minutes—until they found some candles.



(1) Miss Pavlova; (2) Mr. J. Van Zyl; (3) Miss Beatrice Bellini; (4) John Henry.

## Making the Flute Popular.

AN instrument which is far less popular in this country than it ought to be is the flute. That is probably because there are so few first-class flute players. Listeners who heard Mr. Joseph Slater the other day will agree that he is one of the best flautists before the public, and that the flute sounds particularly well over the wireless.

Mr. Slater began to play the flute when he was only ten years old, and he has appeared at many of the leading London and provincial concert halls. He has made a special study of Mozart's flute concertos, which he considers to be the finest ever written.

## Her Idea.

MR. SLATER'S ambition is to see the flute as firmly established as a solo instrument in this country as it is on the Continent.

As showing how little the flute is appreciated by some people, Mr. Slater tells an amazing story. After one of his performances, an old woman in the audience turned to her neighbour and remarked: "How beautiful! But I wonder that he does not learn to play a musical instrument!"

## The Mayfair Singers.

THE MAYFAIR SINGERS. Charles Harper (alto), Edward Gooding (tenor), Fred Pilgrim (baritone), and Walter Millard (bass), now their existence as a male-voice quartet to Mr. H. L. Balfour, conductor of the Royal Choral Society, who in 1918 selected professional choristers for a West-end church now famous for its music, and brought these four together.

In addition to singing unaccompanied madrigals and part songs, the Mayfair Singers, with the assistance of Miss Gladys Currie, are frequently responsible for the hymns and anthems broadcast from the London Station on Sunday evenings; and they are also sometimes heard individually as soloists.

## WIRELESS PROGRAMME—SUNDAY (Sept. 7th)

The letters "S.B." printed in italics in these programmes signify a simultaneous broadcast from the station mentioned.

## LONDON

3.0.—Time Signal from Big Ben. Programme by THE BAND of the ROYAL MILITARY SCHOOL OF MUSIC, Kneller Hall. Under the Direction of Lieut. H. R. ADKINS, Director of Music. GWENDYNS KAISH (Soprano), BEATHICE BELLINI (Solo Pianoforte). S.B. to Newcastle, The Band. Quick March, "Carry On" ... Bureau Faculty, "Song of the Guel" ... O'Donnell Soprano Songs. "Solvig's Song" ... Grieg "Queen of the Night's Song" ("The Magic Flute") ... Mozart Pianoforte Solo. Fantasy in F Minor ... Chapin (Approx.)—Mr. B. IFFOR EVANS, Lecturer in English Literature, the Victoria University, Manchester, on "A Great English Conversationalist"—Dr. Samuel Johnson. The Band. Symphony No. 5 in E Minor ("From the New World") ... Dvorak (a) Adagio-Allegro; (b) Allegro vivace. Rhapsodie ... Dvorak (Note: Antonin Dvorak was born September 7th, 1841.) Soprano Songs. "Sylvia" ... Sinding "I Will Exalt Thee" ... Custer Pianoforte Solo. Rhapsody No. 6 ... Liszt The Band. "Invitation à la Valse" ... Weber "A Children's Overture" ... Quilter "Ride of the Valkyries" ... Wagner (1) Announcer J. S. Dodgson. S.B. to Manchester. CHILDREN'S CORNER. S.B. from Manchester. Anthem, "Judge Me, O God" ... Mendelssohn (11) Hymn, "Again the Lord's Own Day is Here" (A. and M. 35). The Hon. and Rev. JAMES ADDERLEY, M.A., Vicar of St. Anne's, Highgate: Religious Address. Hymn, "Rejoice To-day With One Accord" (A. and M. 378).

## Musical Programmes.

VLADIMOFF'S BALALAIIKA ORCHESTRA. ROBERT EASTON (Bass), RITA SHARPE (Solo Violoncello), CHARLES LEGGETT (Solo Cornet). The Balalaika Orchestra. "Love's Sorrow" (Russian Song) ... Vladimoff "Sylvan Grove Has Been Whispering All Night" (Folk Song) ... arr. Vladimoff "Souvenir de Gatchina" (Waltz) Andreff "Fly, My Falcon, to My Sweet Home" (Folk Dance) ... arr. Vladimoff Violoncello Solos. "Sarabande" ... Sennelle-Salmon "Oriental" ... Cesar Cui "Schlummerlied" ... Schumann Songs. "Arise Ye Subterranean Winds" ... Purcell (11) "How the King Went Forth to War" ... Koenemann Cornet Solo. Serenade ... Schubert The Balalaika Orchestra. "Pava" (Maiden's Dance from Russian Ballet) ... Pomeen "Lovely Night" (Valse Intermezzo) ... Louis Ganne "Chanson Triste" ... Tchaikovsky "Roxoro" (Tango) ... Pense (7) Violoncello Solos. "Le Cygne" ... Saint-Saens "Serenade" ... Puccini

10.0.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and GENERAL NEWS BULLETIN. S.B. to all Stations.

Local News and Station Announcements.

10.15. Songs.  
"Hydras the Ocean" ... Elliott  
"At Grindon Fair" ... Paul Marie  
"Il Baio" ... Ardis  
The Balalaika Orchestra.  
Chorus of Peasants from "Prince Igor" ... Borodin  
"Barcarolle" (Merry Folk Dance) ... arr. Andreff  
10.45.—Close down.  
Announcer: R. F. Palmer.

## BIRMINGHAM

3.0.5.0. THE STATION PIANO QUINTET: FRANK CANTELL (1st Violin), ELSIE STELL (2nd Violin), ARTHUR KENNEDY (Viola), LEONARD DENNIS (Violoncello), NICKEL DALLAWAY (Piano), ANDREW SHANKS (Bassoon). Quintet.  
Selection, "Sylva" ... Delibes-Taxim Waltz, "Souvenir Méditation" ... Faure Songs.  
"Arm, Arm Ye Brave" ("Judas Macabre") ... Handel (11)  
"The Overcoat Song" ("La Bohème") ... Puccini  
"Give To Me The Life I Love" ... Vaughan Williams Quintet.  
"Hymn to the Sun" ... Rimsky-Korsakow  
"In the Silent Night" ... Rachmaninov Waltz, "Pas des Fleurs" ("Nella") ... Delibes Songs.  
"Blow, Blow, Thou Winter Wind" ... Quilter (1)  
"Helen of Kirkconnel" ... Traditional  
"The Pipes of Pan" ... Elyar (1)  
Slavonic Dance No. 1 ... Dvorak  
"Melody" ... Dances  
"Mystic Beauty" ... Faure  
Selection, "Philemon and Baucis" ... Gounod Announcer: J. C. S. Patterson.

5.0.5.0.—CHILDREN'S CORNER. S.B. from Manchester.

5.30.—Hymn, "When All Thy Mercies, O My God" (A. and M. No. 617). The Rev. J. IVORY CRIPPS (Baptist Church, Hagley Road): Religious Address.

Hymn, "Love Divine, All Loves Excelling" (A. and M. No. 520).

AN EVENING WITH MACKENZIE. THE STATION SYMPHONY ORCHESTRA. Conductor: JOSEPH LEWIS. EMILY BROUGHTON (Soprano), JAMES HOWELL (Bass).

6.0. Overture, "Britannia" ... (15) Scotch Rhapsody No. 2, Op. 24 ("Burns") ... (11)

Soprano Aria.  
"Gentle Dove, Thy Voice is Sad" ("Cecilia") ... (11) Orchestra.  
"Benedic nos" ... Bass Song.

"The Old Grenadier" ... (11) Orchestra.  
Ballet Music and Rustic March from "Columba" ... (11)

10.0.—WEATHER FORECAST and NEWS. S.B. from London.  
Local News.

10.15.—Close down.  
Announcer: Percy Edgar.

## BOURNEMOUTH.

3.0.4.45. BAND OF H.M. ROYAL ARTILLERY and APRIL PENDARVIS (Vocalist). Relayed from South Parade Pier, Southsea. 5.0.5.30.—CHILDREN'S CORNER. S.B. from Manchester. 6.30. Choir of Richmond Hill Congregational Church. Choirleader, H. Watkins. Hymn, "God of Our Fathers" ... Blanchard 3.35.—The Rev. O. R. BRADFORD, St. Clement's Church: Religious Address. 3.45. Anthem, "Behold, God is Great" ... Taylor (11) Symphony Night.

EVLYN HOWARD JONES (Piano Solos and Concerto).

MAY BLYTH (Soprano). THE WIRELESS ORCHESTRA: Conducted by Capt. W. A. FEATHERSTONE.

8.50. Orchestra. 1st and 2nd Movements, "Jupiter" Symphony ... Mozart

9.10. May Blyth. "Die Lorelei" ... Liszt

9.15. Evelyn Howard Jones. Part of Concerto No. 1 in B Flat Major ... Tchaikovsky

9.30. May Blyth. "Ocean, Thou Mighty Monster" ... Weber

9.45. Evelyn Howard Jones. "Hannibale" ... Tchaikovsky

Preludes from Op. 11 ... Schubert

"Gopak" ... Mussorgsky

"Valse Caprice" ... Rubinstein

10.0.—WEATHER FORECAST and NEWS. S.B. from London.  
Local News.

12.15. Orchestra. Finale, "Jupiter" Symphony ... Mozart  
Meditation, Op. 23 ... Glazunov

10.30.—Close down.  
Announcer: John H. Raymond.

## CARDIFF.

3.0.4.30. THE STATION SYMPHONY ORCHESTRA. Conductor, WARWICK BRAITHWAITE. GLANVILLE DAVIES (Baritone).

I. Orchestra.  
"Three Heros" ... Carr  
(1) O'Leary, V.C.; (2) Captain Oates;  
(3) Wansford, V.C.

II. Glanville Davies.  
"Thy Hand in Mine" ... Frank Bridge  
"Love Went a-Riding" ... Frank Bridge

III. Orchestra.  
"Suite Pastorale" ... Dvorak  
(1) "When the Hawthorn Blooms";  
(2) "Poppy and Cornflowers"; (3)  
"The Autumn Moon"; (4) "Holly and Mistletoe".

IV. Glanville Davies.  
"Linden Lee" ... Vaughan Williams (1)  
"Silent Noon" ... Vaughan Williams

V. Orchestra.  
"Flower Suite" ... Bonyon  
"Bisgrifted Idyll" ... Wagner

VI. Glanville Davies.  
"The Blind Ploughman" ... Coningsby Clark  
"The Call" ... Herbert Oliver (8)

VII. Orchestra.  
Selection, "A Life for the Czar" ... Glazunov  
Announcer: C. K. Parsons.

5.0.5.30.—CHILDREN'S CORNER. S.B. from Manchester.

6.30. Choir of The Church of St. James the Great.  
Hymn, "Pleasant are Thy Courts Above" ... L. Smith

A number against a musical item indicates the name of the publisher. A key list of publishers will be found on page 65.

## WIRELESS PROGRAMME—SUNDAY (Sept. 7th.)

The letters "S.B." printed in italics in these programmes signify a Simultaneous Broadcast from the station mentioned.

Anthem, "Seek Ye the Lord" ... *Roberts*  
The Rev. LAWRENCE THOMAS, M.A.  
Corate of St. John the Baptist, first of the  
Weekly Talks on "Spiritual Energies in  
Daily Life." Subject, "Poise."  
Hymn, "Be Thou My Guardian and My  
Guide" ... *W. B. Gilbert*

9.40. **Beauty in Music and Song.**

THE VIRTUOSO STRING QUARTET,  
Vocalist, HERBERT HEYNER.  
I. Movement from Posthumous Quartet  
*Schubert*  
Variations from Quartet in G Major,  
"The Emperor" ... *Haydn*  
II. Herbert Heyner.  
Mystical Songs, with Quartet  
*Vaughn Williams*  
III. Three Novelettes ... *Glaesnner*  
IV. Herbert Heyner.  
"The Birds of Bethlehem" ... *Walford Davies*  
"Brittany" ... *Farrer* (1)  
"In Summertime on Bredon" ... *Pael*  
"Morning Hymn" ... *Henshaw*  
V. String Quartet in G Minor ... *Debussy*  
10.00.—WEATHER FORECAST and NEWS.  
S.B. from London. Local News.  
10.15.—Close down.  
Announcer: E. R. Appleton.

## MANCHESTER.

3.0-5.0. THE MANCHESTER CITY POLICE BAND.

(By Permission of the Chief Constable.)  
Conductor: EDWARD WOKMALD.  
FLORENCE HOLDING (Soprano).  
Band.

Grand March, "Entry of the Gladiators" ... *Fuchs*  
Overture, "Masaniello" ... *Auber* (1)  
Duet for Horns, "Ida and Dot" ... *Loeser*  
Selection, "Carmen" ... *Bizet*  
Florence Holding.

"Ave Maria" ... *Schubert*  
"Whither?" ... *Schubert*  
Hand.

Selection, "Lohengrin" ... *Wagner* (1)  
Piccolo Solo, "The Deep Blue Sea" ... *Brewer* (1)

Soloist: P.C. Wood.  
Selection, "Aida" ... *Toscani*  
Florence Holding.

"Autumn" ... *C. Alison-Crompton* (1)  
"Deh vieni, non tardar" ... *Mozart* (1)  
Band.

Selection from the Works of Verdi ... *arr. Godfrey*  
Chorus, "Hallelujah" ... *Händel*

5.0-5.30.—CHILDREN'S CORNER. S.B. to all Stations.

7.30. THE "227" ORCHESTRA.  
ELEANOR LOMAS (Soprano).  
Orchestra.

Overture, "Coriolanus" ... *Beethoven*  
"Meditation" ("Lux Christi") ... *Elgar*  
"Suite Espagnole" ... *de Armas*

Intermezzo, "Nala" ... *Delibes*  
Eleanor Lomas.  
"The Fairy's Lullaby" ... *Needham* (1)

"The Feast of Lanterns" ... *Bantock* (4)  
"The Red Sarafan" ... *Vaslavoff*  
Orchestra.

March, "Pomp and Circumstance" (No. 1) ... *Elgar* (1)

Overture, "Oberon" ... *Weber*  
Symphony in B Minor ... *Schubert*

9.10. ALFRED ROWBOTTOM (Baritone).  
"Our God is Marching On!" ... *Sanderson* (1)  
SIDNEY G. HONEY: Talk to Young People.

9.30.—"At Even ere the Sun was Set" (W.M. 106).  
The Rev. JAMES ADAMSON, M.A.,  
D.Sc.: Religious Address.

"Eternal Father, Strong to Save" (W.M. 267).

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London. Local News.

10.15. Eleanor Lomas.  
Recit. and Aria, "With Verdure Clad" ("The Creation") ... *Haydn*  
"Lord, Save Me" ... *J. B. Adams*

10.30.—Close down.  
Announcer: Victor Amythe.

## NEWCASTLE.

3.0-5.0.—Programme S.B. from London.  
5.0-5.30.—CHILDREN'S CORNER. S.B. from Manchester.

6.30-7.45. RELIGIOUS SERVICE.  
Relayed from  
THE CHURCH OF DIVINE UNITY.  
Preacher: The Rev. H. BARNES.

OLIVE TOMLINSON (Piano).

ELLA TOMLINSON (Violin).

A. J. BULL (Cello).

ARCHIBALD ARMSTRONG (Baritone).  
ELIZABETH HENDERSON (Soprano).

9.0.—Minatures 4, 5 and 6 ... *Frank Bridge*  
Baritone Solo.

"Over the Land in April" ... *Quilter* (4)

"Anacreontic Ode" (Op. 12) ... *Walker* (15)

"My Captain" ... *Scott* (4)

Sonata in A for Violin and Pianoforte  
(Movements 1 and 2) ... *César Franck*

Soprano Solo.

"Bredon Rill" ... *Butterworth*

"Ruehells From The Clearings" ... *Walker*

"Gentle Dove, Thy Voice Is Sad" ... *Mackenzie*

Pianoforte Solos.

Nocturne in G ... *Vitali*

Study in F ... *Chopin*

Study in D Minor ... *Violin Solo*

Charonne ... *Vitali*

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London. Local News.

10.15.—"For All the Saints" ... *Vaughn Williams*

10.30.—Close down.  
Announcer: R. C. Pratt.

## ABERDEEN.

CHRISTINE SHEPHERD (Contralto).  
A. B. DUNCAN (Baritone).  
THE WIRELESS ORCHESTRA.

3.0. Orchestra.

March, "Cornelius."

Intermezzo.

Christine Shepherd.

"But the Lord is Mindful of His Own" (1)

"O Rest in the Lord" ... *A. B. Duncan*

Airs *"Is Not His Word Like a Fire?"* (1)

*"Elijah?"* (1)

*"It is Enough?"* (1)

Orchestra.

Canzonetta and Scherzo from Odeon

for Strings.

Christine Shepherd.

"Greeting" ... *arr. Godfrey*

"Autumn Song" ... *arr. Godfrey*

"Alone" ... *arr. Godfrey*

A. B. Duncan.

"For the Mountains Shall Depart" (1)

Airs *"Consume Them All?"* ("St. Paul") (1)

Orchestra.

Overtures *"Return From Afarland."*

Christine Shepherd.

"Woe Unto Them" ("Elijah") (1)

"Sun of the Sleepless" (1)

"Evening Song" (1)

Orchestra.

Overture, "Son and Stranger."

"War March of the Priests" ("Athalia").

5.0-5.30.—CHILDREN'S CORNER. S.B. from Manchester.

Mozart Evening.

MARIE MURRAY (Mezzo-Soprano).

BURNETT FARQUHAR (Solo Flute).

NANCY LEE (Solo Violin).

THE WIRELESS QUARTET.

8.30.—Concerto for Two Pianos.

8.50. Songs.

"Evening Thoughts" (1)

"Lullaby" (1)

9.0. Hymn 235 (Church Hymnary).

The Rev. G. C. MILNE, Woodside Congre-

gational Church. Religious Address.

Hymn 459.

9.20.—Concerto for Flute in G.

9.45. Songs.

"Love Letters" (1)

"Contentment" (1)

10.0.—WEATHER FORECAST and NEWS.

S.B. from London. Local News.

10.15.—Concerto for Violin in G (1)

Quartet.

Selection of Hymns, Ancient and Modern.

10.30.—Close down.

Announcer: A. M. Shinnie.

## GLASGOW.

AN HOUR WITH MUSIC.

JEAN SUMMERS (Soprano).

LEWIS COWIE (Baritone).

THE WIRELESS QUARTET.

3.0. Quartet.

Overture, "Fingal's Cave."

Scherzo, "A Midsummer Night's Dream."

3.20. Soprano Songs.

Arias *"Jerusalem, Jerusalem!"* ("St. Paul")

*"Great Mercies"* ("Paul")

3.30. Quartet.

Two Movements, "Italian" Symphony.

3.50. Soprano Songs.

Aria, "Hear Ye Israel" ("Elijah")

"On Wings of Song."

"Influence."

AN HOUR WITH GRIEG.

4.0. Quartet.

Suite, "Sigurd Jorsalfar."

4.20. Baritone Songs.

"Two Brown Eyes," Op. 6, No. 1.

"My Thoughts Are as the Mighty Hills,"

Op. 5, No. 4.

"I Lay Thee," Op. 5, No. 3.

4.30. Quartet.

Fantasy, "Reminiscences of Grieg"

*arr. Godfrey*

4.45. Baritone Songs.

"Candle Song," Op. 9, No. 1.

"Sonnet," Op. 9, No. 2.

"She is So White," Op. 18, No. 2.

"The Poet's Last Song," Op. 18, No. 3.

5.0-5.30.—CHILDREN'S CORNER. S.B. from Manchester.

6.30-8.0. RELIGIOUS SERVICE.

Relayed from

ST. ANDREW'S WILLOW ACRE

EPISCOPAL CHURCH.

ALFRED PIOTON (Solo Flute).

JOHN DICKSON (Solo Cello).

WILLIAM GILCHRIST (Tenor).

Flute Solo.

"Bagatelle" (Unaccompanied) ... *De Jong*

8.55. Suite for Pianoforte; "Cello and Flute."

"Five Impressions of a Holiday" Op. 7

*Eugene Goossens*

9.5. Tenor Songs.

"Vale" *Kennedy Russell*

"The Cloths of Heaven" *Dick Hill* (14)

9.15. Cello Solos.

"Chant du Maestrel" *Glazunov*

"Harlequin" *Popper*

9.25. Flute Solo.

Suite, "Trois Poésies" *Baland Recell*

Tenor Songs.

"Neat Thee, My Bird" *Wallace* (1)

"Songs My Mother Taught Me" *Dvorak*

9.45. Cello Solos.

"Souvenir" *Bella*

Papillon *Popper*

9.55. Tenor Song.

"Ave Maria" *Bach Ciaised*

10.0.—WEATHER FORECAST and NEWS.

S.B. from London. Local News.

10.15.—Close down.

Announcer: R. E. Kingsley.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 62.

# THE CHILDREN'S CORNER.

CONDUCTED BY  
UNCLE CARACTACUS

## The Golden Age of the Sailing Ship.

HULLO, children!

Here is another very interesting talk about sailing ships by Mr. W. J. Bassett-Lowke.

I am going to tell you something of that time which has been described as the Golden Age of the sailing ship. There were, of course, many kinds of sailing ships. Most important of all were the big men-o'-war, and the large sailing ships whose sails, generally speaking, were square, and earned athwart the mast. Then there were the fore-and-aft-rigged crafts, the schooners, yachts, brigs, barques, etc., which carry peaked head-sails and triangular main-sails and all the other variations of the old-fashioned square sail.

### How England Scored.

For ocean-going vessels the square rig had proved best, but with the growth of coasting, fishing, and yachting it was found to be too clumsy for smaller boats. In the middle of the sixteenth century, therefore, the Dutch invented what is known as the fore-and-aft rig.

At one time the French stood superior to any European Power in the art of shipbuilding; but the English were never far behind them. Whenever they could, they studied the lines and construction of the foreign ships. If they ever happened to capture a French man-o'-war, they carefully noted its design and any improvements it could show which made it superior to our own ships.

The best example of this type of man-o'-war is Nelson's famous flagship, the *Victory*, which was built in 1765. Many of you will have seen

this fine old ship in Portsmouth Harbour. Her length is 186ft., her beam 52ft., and her tonnage 2,162. The *Victory* may be taken as a typical man-o'-war of the eighteenth century.

At the beginning of the nineteenth century the largest and finest merchant ships on the seas belonged to the East India Company. The



The world-famous "Cutty Sark," which was the fastest ship in the world, fifty years ago.

old East Indiamen were splendid ships. They had great tiers of sails and were much finer in their lines and easier to handle than the men-o'-war of this time. But their bows, instead of being sharp, were round and bluff, and this, of course, made them very slow, much slower than was really good for trade.

"You're a nice chap," said the boy, "sitting all day on a car and knowing nothing about it."

Sabo was annoyed at his ignorance, and tried to turn the tables on his questioner. "How old are you?" he asked. "I shall be twelve next month," said the boy. "And you've lived here all your life?" said Sabo. "I was born here," replied the boy. "And do you know," Sabo asked, "why this place is called by its name?" And when the boy said he didn't know, Sabo smiled.

So Sabo told him. "A very long time ago, before there were any motor-cars, or any railways, and long before that, all round about here was wild moorland, just rocks and forest. In the valleys and the green places there may have been a few farms here and there; but there were hobgoblins in the forest, and at the top of the hill there, where the rocks are, a holy man lived all by himself."

"He was a saint," said Sabo. "He spent his life in saying prayers for himself and for the world; and he built a little church out of the rocks on the hilltop to pray in, and so that anybody else, who cared to do so, might come and pray with him, he had a silver bell which hung in the little tower of the church, and he rang it several times every day."

"Funny, him having a silver bell," said the boy. "I wonder where he got it from?"

"That I can't say," said Sabo. "Certainly the hobgoblins did not give it him, for they were wicked creatures who hated the saint and his bell and his prayers. They would have got rid of him, if they could; but were afraid to do him any harm because he was a holy man."

Very soon, however, there appeared on the seas ships with a clipper bow—that is, a wedge-shaped bow—that cut through the waves instead of just hitting them like the old-fashioned East Indiamen. These were invented by the Americans, who proceeded to improve their ships still further by altering the shape of the stern so that instead of holding the dead water, the ship slid through it cleanly and without resistance.

The object of the Americans was to sail every other craft off the seas and to capture the carrying trade of the world. They very nearly succeeded, but the English shipbuilders awoke to the danger just in time, and started to build clippers which were even better than the splendid American flyers. From the English shipyards during the eighteen-fifties some of the finest sailing ships the world has ever seen were launched. They were built of teak planking with iron frames and very big spars. A few years later, we started to build our sailing ships of iron, partly on account of a shortage of English oak, partly because iron meant a saving of about a third on the weight of the hull, but mainly because, as ships became longer, the wood lacked the necessary strength.

### Break All Records.

The two fastest clippers ever built were the *Sir Lancelot* and the *Thermopyla*. But perhaps the most famous of all the clippers was the *Cutty Sark*, which broke all the records in 1870, running home from Shanghai with out her rudder, which had been carried away in a terrific storm. The *Cutty Sark* is still in existence, and is at present lying in Falmouth Harbour. She is being used as a training ship for boys for service in the mercantile marine.

"So they took the silver bell down from the little tower, and carried it away with them, as they went westward towards the sea. But it brought them very bad luck. So, when they got to the sea, they sold the silver bell to some pirates, as savage as themselves, who were a terror to everybody who lived on that coast."

"The pirates took the bell and put out to sea. But hardly had they left the shore when a great storm arose. The ship was driven upon the rocks, and broken to pieces. All the pirates were drowned. But, by a miracle, the bell did not sink to the bottom of the sea, but was cast upon the shore."

"There it was found one day by an old man. He knew that it was the bell which belonged to the holy man, for the story of its being stolen had spread through all the land. So he put it on his cart, and brought it back to the saint, who blessed him."

"Many years have passed since then. The hobgoblins have gone. Villages and towns have sprung up all over the moor; and the very name of the saint has been forgotten except by the very few. His little church on the hilltop has long since fallen in, and is now nothing but a pile of rocks and boulders, as you can see. But among those rocks there is still a wonderful stone which has the bell in it."

"I don't believe a word of it!" said the boy.

"Go and see for yourself," said Sabo. "Take a hammer with you, and strike the boulders; and, if you have luck, you will strike one which will ring under the hammer with the sound of a bell. And that is why this place is called by its name."

## THE SAINT AND THE SILVER BELL.

By E. W. LEWIS.



went lively and roundabout, and came towards evening to a place called Okehampton, which is on the edge of the moor. It was a nice town, but they pushed on for a few miles until they came to a smaller place where there was a jolly inn, and there they stopped for the night.

When Roger was being washed down at the garage door early next morning, a boy passed up the street, munching an apple, and turned aside to have a look at him. Evidently, he was a clever lad, who knew a good deal about motor-cars, and he immediately began to ask Sabo questions about Roger, none of which Sabo could answer.

## WIRELESS PROGRAMME—MONDAY (Sept. 8th.)

The letters "S.B." printed in italics in these programmes signify a *Single-Station Broadcast* from the station mentioned.

## LONDON.

4.0-5.0.—Time Signal from Greenwich. Concert: The "ELO" Trio, "Workshops of Famous Men": (3) Dickens at Gadshill," by Caroline Houston. Fiona Faith (Soprano), "How Tee is Crown," by M. Walsh.

6.0-6.45.—CHILDREN'S CORNER.

6.45-6.55.—Boys' Brigade, Boys' Life Brigade and Church Lads' Brigade News.

7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. S.B. to all Stations.

Mr. C. WHITAKER-WILSON on "The Powers of Sound." S.B. to other Stations. Local News.

7.10 8.0.—Interval.

8.0.—AN EVENING OF PLAYS. S.B. to all Stations. (For particulars see centre column.)

10.0.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations. Topical Talk. Local News.

10.30.—THE SAVOY ORPHEANS and SAVOY HAVANA BANDS, relayed from the Savoy Hotel, London. S.B. to all Stations.

11.30.—Close down.

Announcer: J. G. Broadbent.

## BIRMINGHAM.

3.30-4.30.—Locella Picture House Orchestra.

5.0-5.30.—WOMEN'S CORNER: Sidney Rogers, F.R.H.S., Topical Horticultural Hints. Anne Sanders (Contra-tenor).

5.30-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Terror" Corner: Uncle Felix on Naval History.

7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Capt. A. A. ABBOTT on "Sports": (2) The Sword and Swordplay in Europe—Late Period." Local News.

7.30-8.0.—Interval.

8.0-11.30.—The entire Programme S.B. from London.

Announcer: J. C. S. Paterson.

## BOURNEMOUTH.

3.45-3.55.—The "SBM" Trio: Reginald S. Mount (Violin), Thomas E. Blagworth (Cello), Arthur S. Marston (Piano). Ethel Marsh (Mezzo-Soprano). Talks to Women: Gipsy Sketch, "The Painting of Ellenda" (Betty Gillington).

5.15-6.5.—CHILDREN'S CORNER.

6.5-8.5.—Boys' Brigade, Boys' Life Brigade and Church Lads' Brigade News.

6.15-8.45.—Scholars' Half-Hour: J. Scattergood, F.R.G.S., on "India and Her Peoples."

7.0-11.30.—The entire Programme S.B. from London.

Announcer: John H. Raymond.

## CARDIFF.

3.0-4.30.—Light Orchestral Concert.

Vocalist, TOM DICKENS ALEXANDER (Baritone).

THE STATION ORCHESTRA.

I. Orchestra.

"Three Folk Dances" .. Boughton (2)

"The Leaves Be Green" .. Purcell (2)

II. Songs.

"Friend o' Mine" .... F. Weatherley (1)

"The Rose Will Blow" .... Wilton King

III. Orchestra.

Ballet Music from "The Betrothal" .. Gibbs (2)

IV. Songs.

"Dream Tryst" ..... Codman (1)

"Trumpeter" ..... A. Dix (1)

## DRAMA AND BALLET.

S.B. to all Stations.

8.0 9.20.

## THREE SHORT PLAYS.

## "The Boatswain's Mate."

by W. W. Jacobs and H. C. Sargent.

Cast:

Mrs. Waters (Landlady) at "The Beehive" .... ESMÉ BERINGER

George Benn (An Ex-Boatswain) .... DRELINCOURT ODLUM

Ned Travers (A Retired Soldier) .... GEORGE COOKE

Scene: The Bar at "The Beehive."

Time: 10 p.m.

## "A Minuet."

A Little Play in Verse by Louis M. Parker.

Cast:

The Marquis .... FISHER WHITE

The Marchioness .... PHYLLIS PANTING

The Garter .... GEORGE COOKE

## "The Philosopher of Butterbiggins."

by Harold Chapin.

Cast:

David .... R. E. JEFFREY

Lizzie .... JEAN STURROCK

John .... ALFRED GIBSON

Scene: John Bell's Tenebrous House at Butterbiggins.

Produced by R. E. JEFFREY.

Interludes by the Wireless Trio.

## PAVLOVA SEASON.

(First Night.)

Relayed from the Royal Opera House, Covent Garden.

8.20-9.50.

Act II. of the Ballet,

"DON QUIXOTE."

(First Performance in Great Britain.)

10.5-10.45.

Music of Divertissement.

## V. Orchestra.

Suite, "Old King Cole" .... Vaughan Williams (2)

## VI. Songs.

"An Old Garden" .... Hope Temple (1)

"Enniskerry" .... Godfrey Nutting

## VII. Orchestra.

Two Interludes from "Falstaff" .... Elgar (11)

(1) "Jack Falstaff, Page to the Duke of York";

(2) "Gloucestershire, Shallow's Orchard."

Announcer: A. H. Goddard.

## 5.0-5.45.—"SWAS" "FIVE O'CLOCKS":

Talks to Women: Edith William (Soprano).

## 5.45-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"The History of the Drama"—(VI), by Edith Lester Jones.

## 7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Mr. H. KENDRICK on "Suburban Poultry Keeping—Housing."

Local News.

## 7.30-8.0.—Interval.

## 8.0-11.30.—The entire Programme S.B. from London.

Announcer: C. K. Parsons.

## MANCHESTER.

2.30-3.0.—WOMEN'S HALF HOUR: Ethel Radcliffe (Soprano).

## 3.15-4.0.—BRITISH GUIANA MILITARY BAND.

Relayed from the Municipal Gardens, Southport.

Conductor, Capt. A. FAWCETT.

March, "The Gladiator" .... Sora

Overture, "Marmarella" .... Frank

Selection, "La Gioconda" .... Ponchielli

"Barcarolle de Jacelyn" .... Godard

Ballet Music ("Faust") .... Gounod

Interval.

Selection, "Merry England" .... German

Suite de Ballet, "Coppelia" .... Delibes

Spanish Serenade, "La Paloma" .... Yndier

Interval, "On the Bosphorus" .... Lincke

Three Dances from "Hell Gwyn" .... German

5.0-6.0.—CHILDREN'S CORNER, followed

by Boys' Brigade, Boys' Life Brigade,

and Church Lads' Brigade News.

6.30-6.55.—W. E. FORD, Esq., of Manchester University Museum, "The City of

Manchester, its Origin and Development" (2) "The Romans Build a Fort."

7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Local News.

7.15.—JUPITER MARS (Entertainer).

Selections from his Repertoire.

8.0-11.30.—The entire Programme S.B. from London.

Announcer: Victor Smyth.

## NEWCASTLE.

3.45-4.45.—Muriel Plant (Solo Pianoforte), Doris Dickson (Soprano), Edward T. Stewart (Bass).

4.45-5.15.—WOMEN'S HALF-HOUR: Weekly News Letter. Elspeth Letham, B.A., on "Rouen."

5.15-6.0.—CHILDREN'S CORNER.

BILLY EWER and PARTNER, Solo Saxophone and Rag-Time Pianist.

6.0-6.30.—Scholars' Half-Hour: Mrs. G. Burns on "The Migration of Birds."

6.30-6.45.—Boys' Brigade, Boys' Life Brigade, and Church Lads' Brigade News.

7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Mr. B. B. KAYNE on "Florence Nightingale."

Local News.

7.30 8.0.—Interval.

8.0-11.30.—The entire Programme S.B. from London.

Announcer: W. M. Shawen.

## ABERDEEN.

3.30-5.0.—Dance Afternoon: The Wireless Quartet and Florence Leonard (Soprano). Feminine Topics: Miss F. G. Mordant on "Everyday Life in Athens."

6.0-6.30.—CHILDREN'S CORNER.

7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Mr. C. WHITAKER-WILSON. S.B. from London.

Local News.

7.30.—Girl Guides' News Bulletin. Boy Scouts' News Bulletin.

8.0-11.30.—The entire Programme S.B. from London.

Announcer: Neil McLean.

## GLASGOW.

3.30-4.30.—Popular Afternoon: The Wireless Quartet and Phemie Marquis (Soprano).

4.45-5.15.—TOPICS FOR WOMEN: Topical Afternoon.

5.15-6.0.—CHILDREN'S CORNER: Letter Competition Results.

6.0-6.5.—Weather Forecast for Farmers.

6.30-6.45.—Boys' Brigade, Boys' Life Brigade, and Church Lads' Brigade News.

7.0.—WEATHER FORECAST and NEWS. S.B. from London.

Mr. D. KENNEDY FRASER on "Psychology."

To-day's Interesting Anniversary: "The Capture of Sebastopol, September 8th, 1855."

Local News.

7.30-8.0.—Interval.

8.0-11.30.—The entire Programme S.B. from London.

Announcer: R. E. Kingsley.

## WIRELESS PROGRAMME—TUESDAY (Sept. 9th.)

The letters "S.B." printed in italics in these programmes signify a simultaneous broadcast from the station mentioned.

## LONDON.

1.0-2.0.—Time Signal from Greenwich. Concert: The "ELO" Trio and Charles Martin (Baritone).

4.0-5.0.—Time Signal from Greenwich. Concert: "Books Worth Reading," by Jenny Wren. Organ and Orchestral Music, relayed from Shepherd's Bush Pavilion. "Practical Rabbit Keeping," by E. Hornbrook.

5.0-6.15.—CHILDREN'S CORNER.

6.15-6.35.—An Appeal on behalf of the National Society for the Prevention of Cruelty to Children, by Robert J. Parr, O.B.E., Director.

7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. S.B. to all Stations.

FRENCH TALK under the auspices of L'Institut Français. S.B. to all Stations. Local News.

7.30-8.0.—Interval.

## Edmund Martin Programme,

and other Light Music.

SOPHIE ROWLANDS (Soprano).

CONSTANCE WILLIS (Contralto).

WILLIAM HESELTINE (Tenor).

JOHN BUCKLEY (Baritone).

THE WIRELESS ORCHESTRA.

Conducted by DAN GODFREY, June.

8.0.—"Marche Lorraine" ... *Ganne*

Overture, "Zampa" ... *Herald*

11.0. Baritone Songs.

"The Crown of the Year" ... *Easthope*

"Morning Watch" ... *Martin*

"Come to the Fair" ... *(5)*

The Orchestra.

Selection, "A Princess of Kensington" ... *Edward German*

Soprano Songs.

"Valgobind's Boat Song" ... *Easthope Martin* (5)

"A Far Off Tide" ... *Easthope Martin*

"All For You" ... *Easthope Martin* (5)

The Orchestra.

Siamese Patrol ... *Lincke*

Song Cycle

8.50.—"The Mountebanks" *Easthope Martin* (5)

The Orchestra.

Suite, "My Native Heath" *Arthur Woold* (1)

11.0. Tenor Songs.

"Harp of the Woodland" ... *Easthope*

"Beauty" ... *Martin* (5)

The Orchestra.

Selection, "The Little Domino" *Cuvillier* (5)

Georgian Songs.

"The Spell of True Love" ... *Easthope*

"The Cup of Life" ... *Martin* (5)

10.0.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN. S.B. to all Stations.

Mr. F. A. MITCHELL HEDGES, F.L.S., F.R.G.S., on "Battles with Giant Fish" S.B. to all Stations.

Local News.

10.30. The Orchestra.

Swedish Coronation March ... *Swedson*

Baritone Songs.

"The Lover" ... *Easthope*

"Wayfarer's Night Song" ... *Martin*

"All the Fun of the Fair" ... *(5)*

The Orchestra.

Selection, "Madame Pompadour" ... *Fall*

11.0.—Close down.

Announcer: J. B. Dodgson.

## BIRMINGHAM.

3.30-4.30.—The Station Piano Quintet.

5.0-6.30.—WOMEN'S CORNER: General Interest Talk. Isabel Teliba (Soprano).

6.30-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Tea Corner" J. H. Grant, F.E.S., on "Butterflies."

## 7.0.—WEATHER FORECAST and NEWS.

S.B. from London.

FRENCH TALK. S.B. from London.

Local News.

7.30-8.0.—Interval.

## Light Orchestra—And Some Operatic Notes.

THE STATION ORCHESTRA.

SYDNEY RUSSELL (Lecture-Recital).

ANGUS MORRISON (Solo Piano).

Orchestra.

Overture, "Fingal's Cave" ... *Mendelssohn*

Suite, "Les Erinnées" ... *Mussorgsky*

Local News.

(a) "Danse Grecque"; (b) "La Tarente"; (c) "Saturnales."

Pianoforte Solos.

Study Op. 25, No. 1 in A Flat Major.

Prelude Op. 25 in D Flat Major.

Prelude Op. 28 in B Flat Major ... *Chopin*

Prelude Op. 28 in F Sharp Major.

Prelude Op. 28 in E Flat Major ... *Chopin*

8.30.—A Half-Hour Interlude, during which Outlines of and Songs from the Operas will be given by Sydney Russell.

Orchestra.

Selection, "Lohengrin" *Wagner*, arr. Tchaik.

"Dance of the Apprentices" ("The Mastersingers") ... *Wagner*

10.0.—WEATHER FORECAST and NEWS.

S.B. from London.

Mr. F. A. MITCHELL HEDGES. S.B. from London.

Local News.

10.30.—Close down.

Announcer: J. C. S. Paterson.

## BOURNEMOUTH.

3.45-5.15.—TALKS TO WOMEN: Jessie Marsh on "Woman and Local Government."

The ROYAL BATH HOTEL DANCE ORCHESTRA, relayed from King's Hall Rooms. (Musical Director: DAVID S. LIFE.)

5.15-6.15.—CHILDREN'S CORNER.

6.15-6.45.—Scholars' Half-Hour: Monsieur F. Pepin, B.A. (Paris). French Talk.

7.0.—WEATHER FORECAST and NEWS.

S.B. from London.

FRENCH TALK. S.B. from London.

Local News.

7.30-8.15.—Interval.

## Municipal Orchestra Night.

THE MUNICIPAL ORCHESTRA.

Musical Director: SIR DAN GODFREY.

Relayed from the Winter Gardens.

MAROOT RIELLI (Contralto).

WILLIAM LEWIS (Tenor).

MARIE GOOSSENS (Solo Harp).

THE BOURNEMOUTH DRAMATIC AND ORCHESTRAL CLUB.

8.15.—Orchestra.

March, "Admirals All" ... *Hubert Bath*

Overture, "Britannia" ... *Hubert Bath*

A. C. Mackenzie (15)

"Voice on Irish Airs" ... *Byzantine*

"Selection of Scotch Airs" ... *F. Godfrey*

8.30.—Orchestra.

"Fantasia" ... *Solat-Sueta*

"Danse d'Autrefois" ... *Renee*

"Avalon" ... *Hanselmann*

William Lewis.

"My World" ... *Gershwin*

"Mavis" ... *Craxton* (1)

"In Love" ... *Lola*

8.45.—Margot Rielli.

"Three Fishers Went Sailing" ... *Hullah*

"Kashmiri Song" ... *Woodford-Finden* (1)

"Close by the Ramparts of Seville" ... *"Carmen"*

Marie Goosens.

8.55.—Orchestra.

"Serenade" ... *Hanselmann*

"Arabesque" ... *Debussy*

Prelude, "The Girl With the Flaxen Hair" ... *Debussy*

Marie Goosens.

## 9.30.—Orchestra.

"Welsh Rhapsody" ... *E. German* (11)

"Irish Patrol" ... *Ames*

"Selection of English Airs, The Rose" ... *Myddleton*

William Lewis.

"Wheel of Life" ... *Marshall* (1)

"Vagabond" ... *Irland*

"Bridget" ... *MacGeoch*

"Farewell" ... *Liddle* (1)

Margot Rielli.

"In My Heartland" ... *Dundridge* (12)

10.0.—WEATHER FORECAST AND NEWS.

S.B. from London.

Mr. F. A. MITCHELL HEDGES. S.B. from London.

Local News.

10.30. The Bournemouth Dramatic and Orchestral Club.

present.

"THE GATE OF DREAMS."

Cast:

Grandfather ... *F. H. O. Nash*

Grandmother ... *EMILY NASH*

Penelope Lavender ... *PHYLLIS LORIE*

Northern Officer (Spy) ... *A. MARKWELL*

Southern Officer ... *E. SPENCER*

11.0. Close down.

Announcer: John H. Raymond.

## CARDIFF.

3.0-4.0. The Station Trio. C. G. A. Browne (Baritone).

4.0-4.45.—The Carlton Orchestra, relayed from the Carlton Restaurant.

5.0-5.45.—"SWAT'S" "FIVE O'CLOCKS"; Talk to Women. Phyllis Gregory (Soprano).

5.45-6.30.—CHILDREN'S CORNER.

6.30-6.45.—"Impressions of Great Modern Writers" (V), by Guy Peacock.

7.0.—WEATHER FORECAST and NEWS.

S.B. from London.

FRENCH TALK. S.B. from London.

Local News.

7.30-8.0.—Interval.

## The Glamour of the East.

DOROTHY ROBINSON (Soprano).

JOSEPH FARRINGTON (Bass).

THE STATION ORCHESTRA.

Orchestra.

Overture, "Barber of Bagdad" *Cornelius*

Oriental Suite, "Ivory Morn" ... *Holt* (2)

Dorothy Robinson.

"The Lament of Ias" ... *Bantock*

"Japanese Lullaby" ... *Ekin* (4)

"Pavane of Lantana" ... *Bantock* (4)

"The Rose Enslaves the Nightingale" ... *Randy-Kosakow*

Mr. E. S. THOMAS, on "The Spell of Egypt" ... *Joseph Farrington*

"Invocation to the Nile" ... *Bantock*

"Design My Voice to Hear" ... *Orff*, *Bantock*

"The Sword Song" ... *Orff*, *Bantock*

"The Lament of Shah Jahan" ... *Landon Ronald* (5)

Orchestra.

Ballet Music from "Aida" ... *Fredi Smith*

"Fantasy Scenes on an Eastern Romance" ... *Henty*

Major-General WRIGHT, C.M.G., on "How Water was brought from the Nile into Jerusalem" ... *Dorothy Robinson*.

"The Last Revel" ... *Julius*

"There was a King of Liung" ... *Harrison*

"Japanese Death Song" ... *Cranston-Sharp*

"Joseph Farrington."

"On the Beach at Otarai" ... *Jules Harrison* (5)

"Myself When Young" ... *Lies Lehmann*

"She Alone Charnoth" ... *Gowd*

"God of Storms and Battle" ... *Holt*

Orchestra.

"Armenian Wedding March" ... *Bracken*

"Armenian Folk Song" ... *Bracken*

"Tales from the Orient" ... *Bracken*

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 55.

## WIRELESS PROGRAMME—TUESDAY (Sept. 9th.)

The letters "R.B." printed in italics in these programmes signify a Simultaneous Broadcast from the studios mentioned.

10.0.—WEATHER FORECAST and NEWS  
S.B. from London  
Mr. F. A. MITCHELL HEDGES, S.B.  
from London. Local News.

10.10. *Interval*  
Announcer W. X. Settin.

12.30-1.30.—Organ Music by H. Fitzroy Page, relayed from the Piccadilly Picture Palace.

2.30-3.0.—WOMEN'S HALF HOUR: Mrs Marion Fitzgerald, "Impressions of Britain."

3.20-4.30.—Concert by the "22Y" Quartet.

5.0-6.0.—CHILDREN'S CORNER.

6.30-7.0.—Mr. A. W. Thorne on "Camping accommodations—(I). The Elastic Latex-Rubber."

7.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

FRENCH TALK. S.B. from London.  
Local News.

7.30-8.1.—Interval.

8.0.—Irish Night.

22Y, ORG. H. PATERSON  
SAM HEMPSALL (Tenor).

CAHAL FOGARTY (Story and Verse).

Orchestra.

March, "Mickey's Birthday" ... A. Joyce  
"Three Irish Pictures" ..... A. Joyce  
Selection, "Tipperary" ..... Bairns (1)  
Sam Hempsall.

"Green Isle of Eire" ..... R. D. ...  
"The Little Irish Girl" ..... Hermann Lohr  
"An Irish Love Song" ..... Alice Newham  
"What Fogarty"

Short Stories, "Some Sprigs of Shamrock and a Few Christmases."  
Orchestra.

Irish Reel, "Molly on the Shore" ..... Grainger (1)

"Irish Suite" ..... Fircane  
"Irish Patrol" ..... Purcell  
Sam Hempsall.

"The Mountains of Mourne" ..... Percy French  
"The Irish Rhapsody" ..... O. Berk &  
"Come Back to Erin" ..... Clorib (1)  
Cahal Fogarty

Some Irish Poetry ..... J. A. Burling  
"Irish Rhapsody" ..... Stanford

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

Mr. F. A. MITCHELL HEDGES, S.B.  
from London. Local News.

10.30.—RONALD GOURLEY (Inv. Entertainer).  
10.50.—Close down.

Announcer B. B. Brennan.

## NEWCASTLE.

2.45-4.45.—Hermann McLeod's Quintet.  
4.45-5.15.—WOMEN'S HALF HOUR: The Rev Herbert Barnes on "James Thompson, the Man of Faith."

5.15-6.0.—CHILDREN'S CORNER

6.0-6.30.—Scholars' Half Hour: The Rev. A. H. Robins, "English Social Pictures." William Cobbett.

7.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

FRENCH TALK. S.B. from London.  
Local News.

7.30-8.1.—Interval.

## Chamber Music.

ALBERT BANNONE (Solo Violin).  
WILLIAM MURDOCH (Solo Pianoforte).

8.0.—Violin Solos.  
Melody ..... G. Kressler  
Rondo in G ..... M. A. Kressler  
"L'Amour" ..... Schubert-Brundt

8.15.—Pianoforte Solos.  
"Chair de Lune" ..... Debussy  
"Ballade in A Flat, Op. 47" ..... Chopin

8.30.—Violin and Pianoforte Duet  
Sonata in F Major Op. 30, No. 2 Beethoven  
8.55. THE "NO" REPERTORY COMPANY

LOVE IN A RAILWAY TRAIN  
A Dialogue by Frank Stayton

An Actor ..... FRED PATTERSON  
An Actress ..... JENNIE STEVENS  
Scene: Any room, anywhere.  
Produced by JENNIE STEVENS.

9.10.—THE STATION ORCHESTRA  
Four Characteristic Dances  
Conductor: George Taylor

9.25. The "NO" Repertory Company  
"A MALE & OF MEN"  
A Dialogue by Alfred Sutro.

Cap. On Court Floor ..... FRED PATTERSON  
Fiona ..... JENNIE STEVENS  
Scene: A little sitting-room in a small  
house in a faraway street in West Hamp-

stead.  
Produced by JENNIE STEVENS.  
9.40. Orchestra.  
Suite, "On Jhelum River" ..... Woodforde-Pinden

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

Mr. F. A. MITCHELL HEDGES, S.B.  
from London. Local News.

10.30. Orchestra  
"Elfin's Dream" ("Lohengrin") ..... Wagner

10.45.—Close down.  
Announcer: E. L. Oldham.

3.30-5.0.—Concert: The Wireless Quartet  
Perform Topics Miss Spence Alan on  
"Camping in India."

5.45-6.30.—CHILDREN'S CORNER: Talk  
on "How to tell Good Music from  
Bad" (with Illustrations).

7.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

FRENCH TALK. S.B. from London.  
Local News.

7.30-8.1.—Interval.

Ancient and Modern Scottish,  
Early English and Italian Songs.  
(S.B. to Edinburgh)

ISLY SAMUEL (Mezzo-Soprano).

ROBERT WATSON (Bass-Baritone).

DOROTHY HELMICH (Mezzo Soprano).

8.30. Robert Watson.  
"Scots Wha Hae" ..... Traditional

"The Deil's Awa" ..... arr. Dack

"Aye Waukin O" ..... Traditional

"Nanny's Hair" ..... Kennedy-Purser

0.0. Dorothy Helmich.  
"What Then is Love but Mourning" ..... Rochester (4)

"Cuckoo" ..... Nicholson

"When I am Laid in Earth" ..... Purcell (11)

"O Death, Rock Me Asleep" ..... described to Ann Buleyn (1)

9.15. Amy Samuel.  
Aria, "Delizie Contente" ("Gasone") ..... Francesco Cavalli 1599-1676

Cantata, "Vittoria, Vittoria" ..... Francesco Cavalli—1601-1676

Arietta, "Se nel ben sempre costante" ..... Francesco Stradella—1645-1681

Arietta, "O remate di pingarmi" ..... Francesco Stradella—1649-1722

0.30. Robert Watson.  
"The Wee Wee German Lardie" ..... Traditional

"The Skye Boat Song" ..... Fraser

"My Nannie's Awa" ..... arr. D. A. L.

"Wee Cooper o' Fifie" ..... Traditional

9.45. Dorothy Helmich.  
"Horripilo" ..... "I Attempt from Love's  
Sister to Fly" ..... Purcell (11)

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

Mr. F. A. MITCHELL HEDGES, S.B.  
from London. Local News.

10.30. Amy Samuel.  
Arietta, "Per diesti, loca bella" ..... Antonia Lodi—1607-1676

Aria, "Come Raggio di Sol" ..... Antonia Lodi—1607-1676

Aria, "Se Circe, se dice" ("L'Olimpide") ..... G. B. Peri—1596-1650

10.30. Robert Watson.  
The Wild Fisherman ..... McMillan  
"Green Grow the Bushes O" ..... arr. Dack  
"Bonnie Lesley" ..... arr. McMillan  
"Wales Green the Melville Castle" ..... Trelawny

11.0.—Close down.  
Announcer: A. M. Shinnie.

3.30-4.30.—The Wireless Quartet and Donald Robertson (Pianist).

4.45-5.1.—TOPICS FOR WOMEN. Art and

5.15.—CHILDREN'S CORNER: Singer  
Mrs. A. M. Henderson. Lecturer and  
Pianist: Mr. A. M. Henderson.

6.0-6.5.—Weather Forecast for Farmers.

7.0.—WEATHER FORECAST and NEWS.  
S.B. to Edinburgh.

FRENCH TALK. S.B. from London.

7.30-8.1.—Interval.

Literary Night.  
CATHERINE, PATERSON  
(Mezzo-Contralto).

PERCIVAL STEEDS, B.A. (Oxon).  
THE STATION ORCHESTRA  
Conducted by IAAO LOSOWSKY.

8.0. Orchestra.  
Overture, "Egmont" ..... Beethoven

8.15. Story Recital.

Introductory Remarks on each literary  
item will be made by Percival Steeds, B.A.  
"The Superannuated Man" Charles Lamb  
Poetry.

"Love a" ..... Keats  
Balcony Scene from "Romeo and Juliet" Shakespeare

Presented by  
"SSC" DRAMATIC COMPANY.

Romeo ..... R. B. WHARRIE  
Juliet ..... EISIE BROTHIE  
Nurse ..... JENNY REID

9.15. "Two Parisian Sketches" ..... Fletcher  
2.25. Catherine Paterson.  
Song Recital.

Three Pastoral Songs with Violin and  
Cello Accompaniment Roger Quilter (4)

"Morning Song" ..... Roger Quilter

"Over the Lough" ..... Roger Quilter (4)

"Sally" ..... Roger Quilter

"The Swan" ..... Roger Quilter

"The Rose of York" ..... Roger Quilter

"Siegfried" ..... Roger Quilter

9.45. Orchestra.  
Waltz, "September" ..... Godin

March, "Blaze of Glory" ..... Holst

10.0.—WEATHER FORECAST and NEWS.  
S.B. from London.

Mr. F. A. MITCHELL HEDGES, S.B.  
from London. Local News.

10.30. The GLENAGLES HOTEL BAND,  
played from Gloucester.

11.30. Close down.

Announcer: C. G. C. Langley

A number against a musical item indicates the name  
of publisher. A key letter in italics will be found on  
page 455.

## WIRELESS PROGRAMME—WEDNESDAY (Sept. 16th.)

The letters "S.B." printed in italics in these programmes signify a Simultaneous Broadcast from the stations concerned.

## LONDON.

4.0.—TIME SIGNAL from Greenwich.

4.0-5.0. Vocal Music.  
ITA COPE (Soprano).

THE GLANHOWY CONCERT PARTY  
Soprano Songs  
"Se tu m'ami" ("Gentle Shepherd") *Perpeler* (1)  
"La Violette" *Scarlett* (1)  
"Should He Upbraid Me" *Bishop* (16)

4.10.—"My Part of the Country," by A. Bonnet Laird.  
Concert Party.  
"The Frog" *Nelson* (11)  
"Italian Salad" *Genée* (2)  
"Invictus" *Prothorac* (2)  
"Hues of Day" *Berleau* (2)

Soprano Songs.  
"Mainsicht" ("A Night in May") *Brakne*  
"Romance" *Humperdinck*  
"A German Church" *Brakne*  
"Au Printemps" ("Love in Spring") *Gounod*

4.40.—"Oriental China and Pottery" (2), by Violet Maitby  
Concert Party.  
"Moses" *W. Baumer*  
"The Wanderer" *Brakne*  
"As You Now" *Brakne*

6.0-8.0. CHILDREN'S CORNER

7.0.—TIME SIGNAL FROM BIG BEN  
WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN S.B. to all Stations.

ARCHIBALD HADDON (the B.B.C. Dramatic Critic): "News and Views of the Theatre." S.B. to all Stations.

Local News.

7.30-8.0. Interval.

8.0.—"From My Window," by Philomena.

Ballet Music  
Rehearsed at Covent Garden.  
(LA VOYA SEASON)

8.15.—DON QUIXOTE Act I *Monks*

9.10. A Programme of Music and Humour  
by  
THE LONDONERS CONCERT PARTY  
Under the Direction of Charles Harris  
"The Londoners" introduce themselves  
Reminiscences of "Ever So Long Ago" *Gallally* (16)  
Reginald Johnson will sing, "There's Another Little Girl I'm Fond Of" *Strindberg-Bennell*  
Iris Jay and Charles Harris in impressions of "Audiences" *Squires* (13)  
Josephine Lamb will sing, "A Birthday" *Washington Woodman*  
The Party tells, "What Mary Had" *Newman* (13)  
Iris Jay in an Original Character Study  
Josephine Lamb and Reginald Johnson,  
"Trot Here and There" ("Veronique") *Messenger*  
Charles Harris in a Humorous Interlude.  
A Burlesque Impression of an Old-Time  
Minstrel Show.  
Finale.

10.0 TIME SIGNAL FROM GREENWICH  
WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN, S.B. to all Stations.

Mr. E. LE BRETON MARTIN on "How Places Got Their Names" S.B. to all Stations.

"The Week & Work in the Garden," by the Royal Horticultural Society. S.B. to all Stations.

Local News

10.30.—THE SAVOY ORPHEANS AND SAVOY HAVANA BANDS, relayed from the Savoy Hotel, London. S.B. to all Stations.

11.30.—Close down.  
Announcer: J. G. Broadbent

## BIRMINGHAM.

3.30-4.30.—Leslie Pictures House Orchestra, Dorothy Robson (Soprano).

5.0-5.30.—WOMEN'S CORNER Florence M. Austin on "Golf".

5.30-5.45.—CHILDREN'S CORNER

6.30-6.45.—"Teen Corner" Mabel France on "School Days of Long Ago."

7.0.—WEATHER FORECAST and NEWS S.B. from London

ARCHIBALD HADDON. S.B. from London

Local News

7.30-8.0. Interval.

## An Operatic Programme.

Locoq's Comic Opera in 3 Acts.

8.0.—"LA FILLE DE MADAME ANGOT" (1).  
Cast

Augie Paton *G. OFFREY* DAMS  
Pomponnet *SYDNEY RUSSELL*  
Larivandiere *JAMES HOWELL*  
Mme. Larivandiere *EMILY BROOK* ALICE  
Claudette Angot *DORIS LEMON*  
Lounhard *HAROLD HOWLES*  
Barrel *GEORGE WHITFIELD*  
Tremis *ERNEST SMITH*  
"SIT" CHORUS AND ALLEGRETTO ORCHESTRA  
Conductor JOSEPH LEWIS

The Opera produced under the supervision of SYDNEY RUSSELL.

10.0.—WEATHER FORECAST and NEWS S.B. from London

Mr. E. LE BRETON MARTIN S.B. from London

Royal Horticultural Society Talk. S.B. from London

Local News.

10.30.—THE SAVOY BANDS. S.B. from London

11.30.—Close down.  
Announcer: J. C. S. Paterson.

## BOURNEMOUTH.

3.45-5.15.—"The Cecilians": H. L. Gibson (Flute), R. G. Simpkins (Oboe), W. T. O'Brien (Clarinet), W. Earl (Horn), W. E. Gill (Horn), G. L. Lesso (Piano), Marion Howard and Lena G. (Soprano), D. L. G. (Tenor), W. M. George (Baritone) on "Gardening".

5.15-6.15.—VILLA REINA (Violin)

6.15-6.45.—"Scholar's Half Hour" Co-operation in the Body, by Mr. M. D.

7.0.—WEATHER FORECAST and NEWS S.B. from London

ARCHIBALD HADDON S.B. from London

Local News.

7.30-8.30.—Interval.

## "Among the Mountains."

JOHN VAN ZYL (Baritone), DOROTHY CLARK (Contralto), LELIA ROZE (Soprano), THE WIRELESS ORCHESTRA  
Conducted by Capt. W. A. FEATHERSTONE  
Items will be introduced by a few illustrative Remarks

8.30.—"The Land of the Mountain and the Flood" *Hannah McGinn* (11)

8.40.—John Van Zyl  
Songs of the Bountiful Mountains...Lohr  
8.50.—Dorothy Clark  
"Over the Mountains" *Quiller*  
"Cloudy Heights of Tatra" *Lohr*

9.0. Orchestra  
Tone Poem, "Finlandia" .... Silvius  
9.15. Lelia Rose  
Yodel, "The Laughing Waterfall" L. Rose  
9.20. Orchestra  
Soprano  
9.30. Dorothy Clark  
Soprano  
9.40. John Van Zyl  
Songs of the Bountiful Mountains...Lohr  
9.45. Lelia Rose  
Yodel, "Shepherd's Song" .... L. Rose  
9.50. Orchestra  
In the Steppes of Central Asia" Borodin  
10.0. WEATHER FORECAST and NEWS S.B. from London  
Mr. E. LE BRETON MARTIN S.B. from London  
Royal Horticultural Society Talk. S.B. from London  
Local News

11.30.—THE SAVOY BANDS. S.B. from London

11.30.—Close down.  
Announcer: John H. Bayliss

## CARDIFF.

3.0-4.0. Mackman and his Orchestra, relayed from the Capita Cinema  
4.0-5.45.—WA QUINTET "FIVE O'CLOCK"  
Talks: Women, The Station Orchestras  
5.45-6.30.—CHI OPEN'S CORNER  
6.30-6.45.—"Close with Kings," by Mr. John D. Chardron

7.0.—WEATHER FORECAST and NEWS S.B. from London

ARCHIBALD HADDON S.B. from London

Local News

7.30.—F. J. NORTH, D.Sc., F.G.S., Keeper of Geology, The National Museum of Wales, on "The Story of the Earth" (III): A Period of Deserts, Forests and Volcanoes.

7.45-8.0. Interval.

## Instrumental Music.

ANGUS MORRISON is a Leader  
LENA MASON (Solo Violin).  
WA QUINTET  
THE STATION ORCHESTRA

8.0. L. Angus Morrison  
Caprice from Portia in C Minor .. Bach  
Rhapsody in G Minor ..... Brahms  
Mouvement Musique, No. 4 ..... Schubert  
Impromptu in E Flat ..... Schubert  
II. Concerto for Violin with Orchestra (Op. 18) ..... Frederick Delius  
III. Quintet  
Romance in G Major and D Minor ..... Brahms  
IV. Mr. R. EDWARD JAMES: "Elegies from Orators": (1) On True Manhood.  
V. Overture, "Mignot" ..... Thomas  
In the Woods ..... Rossini  
VI. Lena Mason  
Rondino ..... Beethoven-Kreisler  
Allegro ..... Brahms-Kreisler  
VII. Angus Morrison  
Elevation ..... Albeniz  
"El Puerto" ..... Albeniz  
Tranquilla ..... Albeniz  
VIII. Orchestra  
Suite de Ballet ..... Popy  
Selection, "Faust" ..... Gounod  
10.0. WEATHER FORECAST and NEWS S.B. from London

Mr. E. LE BRETON MARTIN S.B. from London

Royal Horticultural Society Talk. S.B. from London

Local News

11.30.—THE SAVOY BANDS. S.B. from London

11.30.—Close down.  
Announcer: C. K. Parsons

A bracket against a musical item indicates the name of its publisher. A key list of publishers will be found on page 48.

## WIRELESS PROGRAMME—WEDNESDAY (Sept. 10th.)

The letters "S.B." printed in italics in these programmes signify a simultaneous broadcast from the station mentioned.

## MANCHESTER.

2.30-3.0. WOMEN'S HALF HOUR: Tom Sherlock (Baritone).  
 3.15-5.0. BRITISH GUIANA MILITARY BAND. Remained from the Municipal Gardens, Southport. Conductor, Capt. A. FAWCETT R.M.S.M.  
 5.00-6.0. FARMERS' CORNER. S.B. from London.  
 7.0. WEATHER FORECAST and NEWS. S.B. from London. ARCHIBALD HADDON, S.B. from London. Local News.  
 7.30-8.0. THE BOHEMIANS CONCERT PARTY. With an Interlude by JOSEPH FARRINGTON (Bass).  
 8.0. The Bohemians: "Are You London?" G. Palmer (5). Arthur Charlton: "Eh You Do Look Well" .... Mellor (9).  
 Gordon Douglas (Tenor).... "Once in a Dreamland Garden" .... Kennedy Russell (1).  
 Ernest Mansfield (Humorist): "A Clean Sweep" .... Newman.  
 Ethel Deans (Contralto).... "Shapes of My Dreams" .... T. W. Stephen (1).  
 "Just a Ray of Sunshine" .... W. H. Newell.  
 The Bohemians: "The Buff Brigade" .... Gollingay.  
 Doris Compton (Soprano): "The Shafts of Cupid" .... Fletcher (21).  
 Arthur Charlton: "How's Your Poor Old Feet?" .... West (32).  
 The Bohemians: "Bohemian Hunting" .... Squiers and Cecil (13).  
 8.15. Joseph Farrington. "Droop Not, Young Lover" .... Handel (1).  
 "Mistletoe When You're" .... Ezra Lehman.  
 "The Song of the Road" .... Geoffrey Stanton.  
 "The Sands o' Dea" .... Clay.  
 "Would You Care?" .... F. A. G. A. Dream Ship" .... Alma Godley (5).  
 "The Song of the Flea" .... M. Langtry.  
 9.10. Gordon Douglas (Pianist). "Home" .... Arthur Charlton. "Wheel Him In" .... Batch (9).  
 Doris Compton. "All a Merry Mavins" .... Landon Ronald (5).  
 Ethel Deans and William Holden. "The School Lesson" .... W. H. Squier (1).  
 Arthur Charlton: "Wishes on the Brain" .... H. G. Jones.  
 The Bohemians: "Tuneful Tradesmen" .... Wood and Pearson (13).  
 Ethel Deans. "Charming Choo" .... German (11).  
 Doris Compton and Gordon Douglas. "Spring Will Bring" .... Jean Caryl.  
 William Holden (Bass). "As Good as Far" .... Paul Marie.  
 The Bohemians: "The Egg" .... Newman (13).  
 10.0. WEATHER FORECAST and NEWS. S.B. from London. Mr. E. LE BRETON MARTIN, S.B. from London.  
 Local News.  
 10.35. THE SAVOY BANDS. S.B. from London.  
 11.30. Close down. Announcer: Victor Smythe.

3.45-4.15. The Station Light Orchestra.  
 4.15-5.0. WOMEN'S HALF HOUR. Madred Atkinson, B.A., on "The Accomplishments of Young Ladies a Hundred Years Ago." Isobel Spence (Soprano).  
 5.15-6.0. CHILDREN'S CORNER.

6.0-6.30. Scholars Half Hour. W. Carr, B.Sc., Trippen, Stories & Talk.  
 6.30-6.55. Farmers' Corner. Prof. G. J. Frost, Songs, etc. News.  
 7.0. WEATHER FORECAST and NEWS. S.B. from London. ARCHIBALD HADDON, S.B. from London. Local News.  
 7.30-8.0. SONGS IN SONG AND SYMPHONY. G. H. LE BRETON MARTIN, EDWARD (Mezzo-Soprano), JOHN CLINTON (Tenor), GEORGE TINDLE (Baritone). THE STATION ORCHESTRA. Orchestra.  
 8.0. Overture, "Rosamunde" .... Mezzo-Soprano Songs.  
 8.15. "The Pigeon" .... "Her Picture" .... "The Fisher Maiden" .... "The Serenade" .... Bass Baritone Songs. Selected.  
 8.40. Tenor Songs. "The Erl King" .... Presence of the Loved One .... (1).  
 8.50. Orchestra. Symphony in B Major ("Unfinished") .... (1).  
 9.0. Soprano Songs. "My Dwelling Place" .... "The Shepherd's Complaint" .... Thou Art My Rest.  
 9.15. Bass Baritone Songs. Selected.  
 9.30. Tenor Songs. Ave Maria .... (1).  
 9.45. Orchestra. Symphony in B Minor ("Unfinished") (2nd Movement).  
 10.0. WEATHER FORECAST and NEWS. S.B. from London. Mr. E. LE BRETON MARTIN, S.B. from London. Royal Horticultural Society Talk. S.B. from London. Local News.  
 10.35. THE SAVOY BANDS. S.B. from London.  
 11.30. Close down. Announcer: W. M. Shewen.

## ANNOUNCEMENTS

3.30-5.0. CONCERT: The Wireless Quartet. Feronia Tops' Scottish Songstress Series. "Elizabeth Hamilton and Lady Anne Barnard," with Vocal Illustrations by Miss Addie Ross. Mary Chalice (Soprano) Recital of Graham Pocock Songs.  
 6.0-6.30. FARMERS' CORNER. "Trips in the Radio Plane" (Series No. 1 of Series).  
 6.30-6.55. Aberdeen Post Office Series No. 5. Mr. G. C. Jeffery, M. B. E., or The Legend of Telephone Exchange.  
 7.0. WEATHER FORECAST and NEWS. S.B. from London.

## WAVE LENGTHS AND CALL-SIGNS.

ABERDEEN (2BD)	-	495 Metres
BIRMINGHAM (5FT)	-	500
GLASGOW (SSC)	-	420
NEWCASTLE (5NO)	-	400
BOURNEMOUTH (6BM)	-	385
MANCHESTER (2ZY)	-	375
LONDON (2LD)	-	365
CARDIFF (SWA)	-	351
PLYMOUTH (SPY)	-	335
EDINBURGH (2EH)	-	325
LIVERPOOL (6LV)	-	315
SHEFFIELD (6FL)	-	301
LEEDS (2LS)	-	286
BRADFORD (2LS)	-	310
HULL (6KH)	-	220

ARCHIBALD HADDON, S.B. from London. Local News.  
 7.0. VIOLIN AND PIANOFORTE RECITAL. ALBERT SAMMONS and WILLIAM MURDOCH.  
 8.30. THE STATION OF THE NATIONAL GUARDIA. ANN VICKERY. Relaxed from the Town and County Hall, Aberdeen.  
 10.0. WEATHER FORECAST and NEWS. S.B. from London. Mr. E. LE BRETON MARTIN, S.B. from London. Royal Horticultural Society Talk. S.B. from London. Local News.  
 10.35. THE SAVOY BANDS. S.B. from London.  
 11.30. Close down. Announcer: A. M. Binnie.

## GLASGOW.

3.30-4.30. POPULAR AFTERNOON: The Wireless Quartet and John Brown (Entertainer at the Piano).  
 4.45-5.15. TOPICS FOR WOMEN: Music and Dance.  
 5.00. FARMERS' CORNER. Singing Lesson by Alice C. Jones assisted by Tom Bell. "Mrs. J. Macmillan on 'How the Wind Makes Boats Sail'."  
 6.0-6.30. Weather Forecast for Farmers.  
 7.0. WEATHER FORECAST and NEWS. S.B. from London. ARCHIBALD HADDON, S.B. from London. Local News.  
 7.30-8.0. INTERVAL.  
 "THE CITY AND THE BROOK." "Cities have been as lamps of life along the path way of humanity and religion." THE STATION ORCHESTRA. Conducted by ISAAC LOSOWSKY. DOROTHY HELMRICH (Soprano). RONALD GOLRILEY (Blind Entertainer and Cellist).  
 8.0. ORCHESTRA. Overture, "Morning, Noon and Night in Vienna" .... Suppe. Dorothy Bell. "Away on the Hill" .... Landon Ronald (5). "Avalon Water" .... Martin Shaw. "The Rivulet" .... Harriet Ward. "Boat Song" .... Deibes. Orchestra.  
 8.20. Ballet Music, "La Source" .... Deibes. Ronald Gourley. "Mae and Moon" .... Orchestra.  
 8.40. "Song of the Haulors on the Volga" .... G. G. Glinka.  
 8.50. Dorothy Helmy. "Song of London" .... Cyril Scott (4). "To Me at My Fifth Floor Window" .... M. Elgar.  
 "Monte Pinto" .... G. G. Glinka. "Doctor Foster" .... Herbert Hughes (1).  
 9.0. SPECIMENS FROM THE NATIONAL VETERINARY CONGRESS. S.B. from Aberdeen.  
 9.30. Local News. Suite, "Water Music" .... Handel. "Danubius" .... Strauss. Ronald Gough. More Music and Humour.  
 10.0. WEATHER FORECAST and NEWS. S.B. from London. Mr. E. LE BRETON MARTIN, S.B. from London. Royal Horticultural Society Talk. S.B. from London. Local News.  
 10.35. THE SAVOY BANDS. S.B. from London.  
 11.30. Close down. Announcer: Mungo M. Dewar.

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 23.



## WIRELESS PROGRAMME—THURSDAY (Sept. 11th.)

The letters "S.B." printed at titles in these programmes signify a Simultaneous Broadcast from the station mentioned.

## LONDON

10.20.—TIME SIGNAL from Big Ben. The Week's Concert of new Gramophone Records

10.30.—TIME SIGNAL from Greenwich Concert. "The 2LO" Trio. "The Best Known French Writers" by Alice de Wissant. Patterson (Beech). "The Pintos of Poland," by Elsie L. Spur

10.30-11.0.—CHILDREN'S CORNER

7.0.—TIME SIGNAL FROM BIG BEN WEATHER FORECAST and 1ST GENERAL NEWS BULLETIN. S.B. to all Stations

Talk by the Radio Society of Great Britain S.B. to all Stations

Mr. J. DUDLEY JOHNSTON, President of the Royal Photographic Society of Great Britain on "Amateur Photography." S.B. to other Stations.

Local News

7.30-8.0.—"MY LADY MOLLY"

8.0.—"MY LADY MOLLY" S.B. to all Stations

For particulars see *See the relevant*

8.0.—TIME SIGNAL FROM GREENWICH WEATHER FORECAST and 2ND GENERAL NEWS BULLETIN S.B. to all Stations

Dr. RALPH CROWLEY M.D. M.Sc.B. in C. on "Open Air Schools." S.B. to all Stations

Local News

10.30.—"My Lady Molly" (Continued). S.B. to all Stations

11.0.—"Close down"

Announcer: S. Dodge

## THURSDAY

10.45.—TIME SIGNAL from Piano Quartet Joseph Parrington (Piano).

10.50.—WOMEN'S CORNER Nancy Finchett (Tea, etc.).

10.50-11.0.—CHILDREN'S CORNER

6.30-6.45.—"Terra's Corner" Nora M. Barnett on "Greek Sculpture"

7.0-11.0.—The entire Programme S.B. from London

Announcer: J. C. S. Jackson

## THURSDAY

3.15.—The "8BM" Trio: Regional S. Mowat (Violin), Thomas E. Ellington (Cello), Arthur E. Marston (Piano). Margot Kelly (Contralto). Talks to Women Mrs. Falconer on "Facts."

5.15-6.15.—CHILDREN'S CORNER

6.15-6.45.—Schools Hall Hour, E. M. Rodda on "Buildings."

7.0.—WEATHER FORECAST and NEWS S.B. from London.

Radio Society Talk S.B. from London. Mr. MAURICE SMITH, A.M.I.A.E., on "Railwayism—The Study of Railways as a Hobby." Local News

7.30-8.0.—"Close down"

8.0-11.0.—The entire Programme S.B. from London

Announcer: John H. Raymond

## CARDIFF.

10.40.—TIME SIGNAL from Kathleen M. Williams (Contralto)

4.0-4.45.—The Carlton Orchestra, relayed from the Carlton Restaurant

## LONDON

8.0-10.0 and 10.30-11.0.

## "My Lady Molly."

S.B. to all Stations.

A Comedy Opera in Two Acts (31). Book and Lyrics by C. H. Jones. Music by Sedney Jones.

## Cast

Lady Molly Martingale . VERA LOWE  
Hester (Her Confidential Maid) GLADYS NEWTH

Alice Coverdale (Daughter to Sir Miles) MURIEL NIXON

Mademoiselle Mirabeau (Governess to Alice) MOLLY GRAY

Housekeeper . MOLLY LUMLEY

Lucy (Chambermaids) PHYLLIS TOWNLEY

Alanson ROBERT CHIGNELL

Lionel Blane (His original part) WALTER HYDE

Sir Miles Coverdale . JOHN VAN ZYL

Mickey O'Dowd (Servant to Capt. Harry) JEROME MURPHY

Landlord of the Coverdale Arms STUART ROBERTSON

Groom .

The Rev. Silas FREDERICK G. LLOYD

Wepshot (Vicar of Coverdale) G. LLOYD

Judge Romney (Father to Harry) G. LLOYD

Period : Middle of the 18th Century.

## Act I

Scenes : Courtyard of the Coverdale Arms

Morning

## Act II

Scenes . Hall in Coverdale Castle : Night.

Conductor: DAN GODFREY, Junr.

Producer: FREDERICK G. LLOYD.

Chorus Master

—

KEY LIST OF MUSIC PUBLISHERS.

1. Bowes and Co.
2. Curwen, J., and Sons, Ltd.
3. Hermann Darwinski Music Publishing Co.
4. Elkin and Co., Ltd.
5. Pnoch and Sons.
6. Feldman, B. and Co.
7. Francis, Day and Hunter.
8. Lumsden, J. H.
9. Lawrence Wright Music Co., Cet. I Lennox and Co.
10. Novello and Co., Ltd.
11. Phillips and Png.
12. Reynolds and Co.
13. Sauer and Bedl, Ltd.
14. Williams, Joseph, Ltd.
15. Cawdell's Music Co.
16. The Anglo-French Music Company, Ltd.
17. Bell, Stewart and Co., Ltd.
18. Dels. Ltd.
19. W. Fenton and Co., Ltd.
20. Warren and Phillips.
21. Reeders and Welsh.
22. W. C. L.
23. E. C. L.
24. The Stork Music Publishing Co.
25. Mosses, Larene and Co., Ltd.
26. Duff, Stewart and Co., Ltd.
27. Wilford, Ltd.
28. Delart and Co.
29. John Blackburn, Ltd.
30. Keith Prowse and Co., Ltd.
31. Werton David, Ltd.

In the Aberdeen programme, pag. 350 of our issue dated August 22, we gave the incorrect "diction" numbers of the publishers of "Soul of Man," by Barnes, and "When the Swallows Homeward Fly," by White. Both these songs are published by Messrs. Chappell and Co., Ltd., of 50, New Bond Street, London, W.1.]

5.0-5.15.—SWAN'S "FIVE O'CLOCK":—  
Mr. LANCE J. W. HOBBS, Keeper of Art, The National Museum of Wales, begins. P. Bussell (Baritone), Arthur Short, Deputy Camp Chief, will talk to Boy Scouts.

5.45-6.30.—CHILDREN'S CORNER

6.30-6.45.—"How to Speak French"—(NIO).

7.0.—WEATHER FORECAST and NEWS S.B. from London

Radio Society Talk S.B. from London. Dr. JAS. J. SIMPSON, M.A., D.Sc., on "Romances of Natural History" Local News

8.0-11.0.—The entire Programme S.B. from London  
Announcer: A. H. Goddard

## MANCHESTER

12.30-1.30.—Concert by the "EZY" Quartet

4.30-5.0.—WOMEN'S HALF HOUR: Mrs. Mackintosh on "Wellfare Work at the Police Court" Dorothy Robson (Soprano).

5.0-6.0.—CHILDREN'S CORNER

7.0-11.0.—The entire Programme S.B. from London.

Announcer: Victor Smythe.

## WORCESTER

3.45-4.45.—Concert Dorothy Helmrich (Mezzo-Soprano), JOHN HUNTINGTON (Bass).

4.45-5.15.—WOMEN'S HALF HOUR

5.15-6.0.—CHILDREN'S CORNER

6.0-6.30.—Schools Half Hour

7.0-11.0.—The entire Programme S.B. from London.

Announcer: W. M. Shewen.

## ABERDEEN

3.30-5.0.—Concert: The Wireless Quartet. Feminine Topics Ronald Courtney (Entertainer).

6.0-6.30.—CHILDREN'S CORNER Connie Souar (Soprano).

7.0.—WEATHER FORECAST and NEWS S.B. from London

Radio Society Talk S.B. from London.

Mr. J. DUDLEY JOHNSTON, S.B. from London

Local News

7.30.—Boys' Brigade News.

7.45-8.0.—The entire Programme S.B. from London.

Announcer: Ned M. Lean.

## BIRMINGHAM

3.30-5.0.—Violin and Pianoforte Recital.

ALBERT SAMMONS (Solo Violin) W. J. MURDOCH (Solo Pianoforte). Sonata in F Major, Op. 20, No. 2.

Bonita in C Minor, Op. 45, ... Oreg.

Sonata in D Minor, Op. 198 ... Brahms.

4.45-5.15.—TOPICS FOR WOMEN: Health Club

5.15-6.0.—CHILDREN'S CORNER: Weekly Stamp Jar by Uncle Phil

6.0-6.30.—Weather Forecast for Farmers

7.0-11.0.—The entire Programme S.B. from London.

Announcer: Mungo M. Dower

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on this page.

## WIRELESS PROGRAMME—FRIDAY (Sept. 12th.)

The letter "A.E." printed in italics in these programmes signify a simultaneous Broadcast from the station mentioned.

10.20 TIME SIGNAL FROM GREENWICH WEATHER FORECAST and 1st GEN. NEWS BULLETIN. S.B. to all stations.

10.50.—TIME SIGNAL from Greenwich. G. A. Atkinson, "That's the Way to Education" (See also 10.50). Miss Mary Stewart, "My Fair Lady". Hamion Beauchamp, "Lamia". Organ Music received from Shepherd Bush Pavilion.

6.0-6.45.—CHILDREN'S CORNER

7.0.—TIME SIGNAL FROM BIG BEN. WEATHER FORECAST and 1st GEN. NEWS BULLETIN. S.B. to all stations.

G. A. ATKINSON (the B.B.C. Film Seen on the Screen). S.B. to all stations.

Local News.

7.30 8.0.—Interval.

8.0. MILITARY BAND NIGHT.

THE 210 "MILITARY BAND" conducted by DAN GODREY. Juilliard, "The Band".

PHILIPPT HEYNED (Dancer). R. BERT PITT AND LANGTON MARKS (Entertainers). The Band.

"Imperial March" (Elgar). Overture, "The Wreckers". Ethel Smyth (Piano Songs).

The Cloths of Heaven" (Dunkirk). Dame Durdan" (Liza Lehmann).

8.15 Robert Pitt and Langton Marks in "Duetts Up-to-Date". The Band.

Waltz, "Cannon Tunes" (Gung). Selection, "Il Trovatore" (Fred Godfrey).

8.0. Baritone Songs. "Sea Fever" (Ireland). Sweet Be Not Proud" (Cobain). A Mood" (At the Travers). Supran Songs.

On a Grey Day" (Norman O'Neill). The Meaning Very Early" (Sanderson). The Band.

Scherzo, "L'Appreche Sorcer" (Dukas). Baritone Songs.

"The Two Grenadiers" (Schubert). Selection, "Who is Sylvie?" (Schubert). Hark, Hark the Lark" (Schubert). "The Erl King" (Schubert).

Selection, "Reminiscences of Ireland" (Fred Godfrey).

10.0.—TIME SIGNAL FROM GREENWICH. WEATHER FORECAST and 2nd GEN. NEWS BULLETIN. S.B. to all stations.

Topical Talk. Local News.

10.30. The Land. S. C. Parson (Landscape). Langton Marks, "Duetts Up-to-Date". The Band.

For Trot, Freddie, Beryl Puckle (19). Toronto (and Belphegor). Rock and Roll.

11.0.—Close down. Announcer: G. F. Palmer.

## BIRMINGHAM.

3.30-4.30.—Local Picture House Orchestra.

4.0-5.30.—WOMEN'S CORNER. Marcia Bonn and Lena Copping (Entertainers and Duetists). Graham Squiers: Informal Business Chat to Women. No. 4. Florence Cleerton (Soprano).

4.30-6.30.—CLOVER'S CORNER.

6.30-6.45.—"Teens' Corner". B. A. (and French Talk).

7.0.—WEATHER FORECAST and NEWS.

S.B. from London. G. A. ATKINSON. S.B. from London. Local News.

7.30-8.0.—Interval.

Play Evening.

THE STATION COMPANY OF PLAYERS.

Directed by WILLIAM MA. READY.

8.0. MOTHERS' CHORUS.

Orchestra.

In order of arrival in Play.

Felicite Leach, An American. H. DNA GODREY TURNER.

Lake of Mairi and Cantyre. E. STUART VINDEN.

Lucie Dally Vanderdecken.

ETHEL MALPARS.

Prince Zouhoff (Soprano). FRANK V. FENN.

Duchesse de Sontzay. IRENE MARSTON.

Vera Herordt (Dauger). LUCILLE LEE. LES FR.

Raphael de Larezo (A. Singer).

VINCENT DE BRAN.

Lord D. WILLIAM MACREADY.

Lord S. (and to Zouhoff).

WALD FIDWARTS.

Act I. Prince Zouhoff's Hotel in Paris.

Act II. The Same.

Act III. Prince Zouhoff's Palace in St.

8.30 9.0.—Interval.

9.0. WEATHER FORECAST and NEWS.

S.B. from London. Local News.

10.30. MOTHERS' CHORUS.

11.0. Announcer: J. C. S. Palmer.

## BOURNEMOUTH.

3.45-5.15.—Talks to Women: Capt. Simpson (Buying a Car). THE ROYAL BATH HOTEL DANCE ORCHESTRA, relayed from King's Hall Room. (Musical Director: DAVID B. LIFF).

5.35-6.15.—CHILDREN'S CORNER.

6.15-6.45.—Afternoons Half Hour. K. E. Brooks on "Women Characters in Shakespeare's Plays".

7.0.—WEATHER FORECAST and NEWS.

S.B. from London. G. A. ATKINSON. S.B. from London. Local News.

7.30-8.30.—Interval.

"The Romantic Period."

FRANCIS L. LINSLEY (Author).

Introducing Talk on the Programme by Capt. W. A. FEATHERSTONE.

CONSTANCE WILDE (Conductor).

WALTER HYDE (Tenor).

THEODORE COLLIER (Baritone).

THE W. H. H. ALMUNTER.

ORCHESTRA.

Conducted by Capt. W. A. FEATHERSTONE.

8.30. Overture, "Carneval Roman" (Bertold).

Constance Wilde.

Recit., "All Gracious Heaven".

Act I. S. (and to M. ("Bianca") Wagner).

You and Days.

Walter Hyde.

Selected.

9.0. Hungarian Dances, No. 1.

9.1. THE VALKYRIE, "Act I".

Siegfried (Walter Hyde). Waltraute (Constance Wilde).

Hunding (Frederick Collier).

Sieglinde (Constance Wilde).

10.0.—WEATHER FORECAST and NEWS.

S.B. from London. G. A. ATKINSON. S.B. from London. Section Director's Talk. Local News.

10.30. "Orchestra.

Symphonic Poem "Les Preludes" (Lect. Walter Hyde).

8.0. "Constance Wilde.

"King of Thule" ("Domination") (Bertold).

"Romance" ("Song of Faust") (Bertold).

Frederick Collier.

"Goring Around" (Bertold).

Walter Hyde.

Marche Hongroise" (Bertold).

Bertold.

Close down.

Announcer: John H. Raymond.

11.0. "Close down".

John H. Raymond.

12.0. "Close down".

John H. Raymond.

12.0

## WIRELESS PROGRAMME—FRIDAY (Sept. 12th.)

The letters "R.D." printed in italics in these programmes signify a Simultaneous Broadcast from the station mentioned.

8.0. **Quartet**  
"Dreamy Me" ... *Leisure and Novelty* (7)  
"I Love You" ... *Song*  
"Captain Mac" ... *Anderson* (1)  
"Home-Folks" ... *Anderson* (1)  
"Piano d'Amour" ... *Teller* (1)  
"Supreme Song" ... *Supreme Song*  
"Marchion" ... *Archibald*  
"Pianoforte Solo" ... *Pianoforte Solo*  
"Rushes of Spring" ... *Sanding*  
"If Winter Comes" ... *Tennant Ensemble* "Hills of Tennessee" *Meyer* (3)  
"Piano Solo" ... *Piano Solo*  
"Chanson à l'ate" ... *Chanson à l'ate*  
"Soprano Song" ... *Soprano Song*  
"Just for Awhile" ... *Just for Awhile*  
"Papillon" ... *Gray*  
"Baritone Song" ... *Baritone Song*  
"Life's Highway" ... *Lexton Eyre* (11)  
Ensemble: "Wunderful One" ... *Wunderful One*  
"Hilfem, Große und Neuen" (7)  
Fouen Williams  
In Selections from his Repertoire  
0.0. **Chamber Music.**  
ALBERT SAMMONS (Violin)  
WILLIAM MURDOCH (Pianoforte)  
Sonata in A for Violin and Pianoforte  
Cesar Franck  
Violin Solos  
Hymn to the Sun *Smoky Korsakoff* Kreutzer  
Slavischer Tanz in E Major *Dvorak* Kreutzer  
Danse Orientale *Rimsky-Korsakoff* Kreutzer  
Piano Solo ... *Piano Solo*  
"An Island Song" ... *John L. Lewis*  
"Farewell to a Flat" ... *John L. Lewis*  
10.0. **LEITH** in *REB AND SBS* (8)  
"London News" ... *London News*  
10.30. **Sonata in C Major for Violin and Pianoforte, Op. 46**  
11.0. **Close down**  
Announcer: Victor S.

3.4. 4.0. **Troy Campbell** (Solo Tenor) ...  
M. Hercules (Baritone) and Madame  
Jos. Emerson (Contralto) Duets  
4.45-5.15. **WOMEN'S HALF HOUR**: The  
Rev Arthur T. Robins on "Godhood  
and the Poets" (3) Wordsworth  
5.15. 6.0. **CHILDREN'S CORNER**  
6.0-6.30. **Symphony Half Hour**, Mr. H. King  
B.S.  
6.35. 7.0. **Farmers' Corner**, Mr. H. L. Lawson  
on "Agricultural Progress"  
7.0. **WEATHER FORECAST and NEWS**  
S.B. from London  
G. A. ATKINSON S.B. from London  
and News  
7.0. **Close**

**Request Night**

DOROTHY ROBINSON (Soprano)  
McONNELL WOOD S.H. (1)  
DONALD GILRILEY (E)  
THE STATION ORCHESTRA  
8.0. **Orchestra**  
Overture, "La Gazza Ladra" ... *Parsons*  
Grenadiers' Vals ... *Parsons*  
8.15. **Soprano Songs**  
"When Myra Sings" ... *A. L. (5)*  
"Someone" ... *Body* (1)  
"The Rahn of Wandering" ... *Choir*  
"Who Is Sylvia?" Schubert arr. West (11)  
Quartet  
"Wake for the Sun" ... *(Leaves from a Persian Gar)* *Lehmann*  
"The Lass and the Lizard" ... *John* (1)  
"Come, Pretty Wag" ... *Parry* (11)  
Orchestra  
Excerpts from "La Bohème" ... *Parsons*

8.55. **Soprano Songs**  
"How Shines the Dew" ... *Hubenstein*  
"The Soldier's Wife" ... *Rachmaninoff*  
"Madrigal" ... *Chamindiade* (5)  
"Donna Homeur" ... *Chamindiade*  
Chorus  
"The Nightingale" ... *Wexford* (11)  
"The Snow" ... *Elgar*  
"Odeonata for 1st and 2nd Violins" ... *Elgar*  
"Peter Piper" ... *Bridge*  
Chorus  
"Weary Wind of the West" ... *Elgar* (11)  
Orchestra  
"In a Monastery Garden" ... *Kotilby* (8)  
Waltz, "The Merry Widow" ... *Lehar*  
Chorus  
"Lullaby" ... *McConnell* (8)  
"Stair of the Summer Night" ... *Elgar* (11)  
"Wassail" ... *Tanguay Williams* (14)  
"New Tramp" ... *Bridge*  
Chorus  
Melodies from "Merry Eng and Germain"  
Announcement of ensuing week's principal events  
10.0. **WEATHER FORECAST and NEWS**  
S.B. from London  
Topical Talk  
Local News  
10.30. **Ronald Gourley**  
In Selections from his Repertoire  
10.45. **Close down**  
Announcer: W. M. Shewell

3.30. 5.0. **Everybody's A Winner**: T. Wreathes Quartet, Dorothy Ferrell (Soprano)  
Feminine Tops

5.45-6.30. **CHILDREN'S CORNER**: Summer Hour for Young and Old Kiddies

7.0. **WEATHER FORECAST and NEWS**  
S.B. from London  
Local News

7.30. 8.0. **Interval**

8.0. **Prof. J. SHIELD NICHOLSON**, S.B. from Edinburgh

8.15. 8.30. **Close down**

**Opera and Light Comedy.**

MAY MCLEAN (Tenor) ...  
JOSEPH FARRINGTON (Bass)  
THE WIRELESS ORCHESTRA

8.30. **Orchestra**  
Selection, "La Bohème" ... *Parsons*

8.45. **May McLean**  
"The Fair" ("Orfeo") ... *Gluck* (1)  
"Divinites on Styx" ("A Midsummer Night's Dream") ... *Gluck* (2),  
Joseph Farrington

Recit, "I Rage, I Melt, I Burn" ... *(Acis and Galatea)* *Haydn*  
Aria, "O Ruddier than the Rose" ... *Haydn*  
Cavatina, "Even Bravest" ... *(Faust)* *Goethe*  
Scene, "The Gulf of Gold" ... *(Faust)* *Goethe*  
(All with Orchestra, Accompaniment)

9.10. **Orchestra**  
Selection, "Cavalleria Rusticana" *Mascagni*

9.25. **May McLean**  
"Voi d' Donna" ("La Gioconda") ... *Ponchielli*  
"Lascia che io Pens... Rinaldo" ... *Händel* (1)

9.30. **Joseph Farrington**  
Song of the Toreador ("Carmen") ... *Bizet*  
(With Orchestral Accompaniment)

9.40. **Orchestra**  
Ballet Music from "William Tell" *Rousseau*

10.0. **WEATHER FORECAST and NEWS**  
S.B. from London  
Topical Talk  
Local News

**Popular Half-hour.**

10.30. **Joseph Farrington**  
"The Sands of Dee" ... *Clay*  
"Awake, Beloved" ... *Court*  
"The Song of the Baa" ... *Stanton*

10.40. **Orchestra**  
"Medication" ... *Glazebrook*

10.50. **May McLean**  
"The Reason" ... *del Riego*  
"The Land of Might Have Been" *Norella*

11.0. **Close down**  
Announcer: A. M. Shewell

**GLASGOW.**

5.30-6.30. **The Wireless Quartet and Ian Ferguson** (Soprano)

6.45-6.55. **TOPICS FOR W. MEN**: Domestic Science Chats

6.15-6.30. **CHILDREN'S CORNER**

6.0-6.5. **Weather Forecast for Farmers**

6.40-6.55. **Mr. J. Eddington** A talk on "Paper and its Manufacture"

7.0. **WEATHER FORECAST and NEWS**  
S.B. from London  
G. A. ATKINSON S.B. from London  
Local News

7.30-8.0. **Interval**

8.0. **Prof. J. SHIELD NICHOLSON**, S.B. from Edinburgh

8.15. **Close down**

"Laid in the countess chambers of the brain.  
Our thoughts are linked by many a hidden chain."  
"Awake but one, and lo, what myriad rise!  
Each stamps its image on the other files." *CHRISTINA MACFARLANE* (Contralto)  
GEORGE BIRTHES (Humorous Reader)

GEORGE HEWSON (Solo Banjo)  
THE STATION ORCHESTRA  
Conducted by ISAAC LOSOWSKI

8.15. **Orchestra**  
American Fantasy, "In Coonland" ... *B.aged*

8.25. **Christina Macfarlane**

"I Stood on Do" ... *B. T. Babbitt*  
Spirituals, "Rubber on Jordan" ... *Burleigh*  
Plantation Lullaby, "Ma Corly Headed" ... *Carroll*

8.35. **George Hewson**  
A Plantation Episode, "Ende Grimshaw" ... *Joe Morley*  
"A Darkie Chuckle" ... *Joe Morley*

8.45. **George Hutchinson**  
"We Jordan" ... *Joe Morley*  
"Mrs. Thomson's Sail Down the Water" ... *Joe Morley*  
Both by Special Request

9.0. **Orchestra**  
"Sue" ... *Parsons* ... *Thurston*

9.10. **Christina Macfarlane**

"I'm a Little Teapot" ... *Joe Morley*  
"I Know De Trouble I've Seen" ... *Joe Morley*  
"Dance Only One" ... *Joe Morley*  
Plantation Moon in De Sky ... *Joe Morley*  
Song, "Dale's Why De Dale" ... *King*  
"Am I to You?" ... *King*

9.20. **Mr. R. W. BROWN** on "Abraham Lincoln"

9.35. **George Hewson**  
"Comical Coons" ... *Ende Grimshaw*  
"Georgia Walk Round" ... *Joe Morley*

9.45. **George Hutchinson**  
"Mrs. Daff at the Pictures" ... *J. T. Stoddart*  
By Special Request

10.00. **Close down**

10.00. **George Hewson**  
"I'm a Little Teapot" ... *Parsons*  
10.15. **Mr. J. Eddington** in *WEATHER FORECAST and NEWS*  
S.B. from London  
Topical Talk  
Local News

10.30. **THE GLENEAGLES HOTEL BAND**, *reduced* from Glenagles

11.30. **Close down**  
Announcer: R. Elliot Kingsley

A number against a musical item indicates the name of the publisher. A list of publishers will be found on page 15.



## WIRELESS PROGRAMME—SATURDAY (Sept. 13th.)

The letters "S.B." printed in italics in these programmes signify a Simultaneous Broadcast from the station mentioned.

Many Novel S.B. Shows, including Grand Gaiety Plays, Folk Plays, Fancy Dress Competitions and Open Air Dances, etc. S.E. "Wavelength," being under Wireless Instructions from "SWA" is running full steam ahead in the hope of

10.0 W. WEATHER FORECAST and NEWS S.B. from London  
10.30 THE SAVOY BANDS S.B. from London  
12.0 Close down  
Announcer The Savoy B.

## MANCHESTER.

11.0 WEATHER FORECAST and NEWS S.B. from London  
11.30 THE SAVOY BANDS S.B. from London  
12.0 Close down  
Announcer Ned M. Lewis

7.00 8.00—MUSIC FOR DANCES  
Conductor, EDWARD BALMFORD.

8.0 Part Songs  
"Deep Jordan's Banks" Cyril Jenkins (8)  
"It Was a Lover and His Lass" D. J. P. (11)

Songs (William Haarmann).  
"The Witch of Bowdon" (Eric Thompson (11))  
"The Colleen Bawn" (The Lily of Killarney) (11) (Hendred met (Fred Marren and William Haarmann).  
"Watches What of the Night" (Eric Thompson (11))

Part Songs  
"I Night's a'ye" (John Lupton (11))  
"Lassie Do" (Lupton (11))  
Songs (Fred Marren).

"Wanton Games" (Wilfred Kearton)  
"Now Sleeps the Crimson Petal" (Quilter (1))

Part Songs  
"Feasting & Watch" Edgar (11)  
"Elsuenda" (Penrudd (11))  
"The Long Day Closes" (Sullivan (11))

9.15—Dance Music  
11.0 WEATHER FORECAST and NEWS S.B. from London  
Dr C. W. SALEEBY S.B. from London  
Local News

11.30 THE SAVOY BANDS S.B. from London  
12.0 Close down  
Announcer H. B. Brennan.

## NEWCASTLE.

2.45-4.45—The Station Light Orchestra.  
4.45-5.15—MEN'S TIME HOUR

5.15-6.0—CHILDREN'S CORNER  
6.0-6.30—Scholar's Half Hour: Mr. W. G. F. Farmer, B.Sc., on "The Dover Trap."

6.35-6.45—Farmers' Corner: Mr. Wheldon on "Autumn Wheat."

7.0 WEATHER FORECAST and NEWS S.B. from London  
Mr. F. KAY ROBINSON S.B. from London  
Local News

7.30 8.0—Interval.

## Song and Dance.

MADGE RAINES (Concert of VINCENT ON 3, Band) and MARY STORRY (Soprano) S.0  
Orchestra

Fox-trot, "Tis Sweet of You to Ring Me Up," Wetz, Heather Hele (11)  
One-step, "She Don't Like."

## Contralto Songs.

"Twelve o'Clock at Night" Lou Hindman (9)  
"With Your Plus fours On" Elliott Smith (10)

"Pasadena" Morris (9)  
Baritone Songs.

"Captain Mac" Sanderson (11)

"Reverie" (B. Soprano) Hulme  
"Milkman" (Soprano) Alice

"Hail, July" (Soprano) Alice

"Song of the Sails" (Soprano) Alice

"Custer" (C. Tenor) (12)  
Nightingale Singers (12)

Orchestra.

Fox-trot, "Three Blind Mice" One-step

de la Fore (W. X. Tenor) (12)

"Gigolette" ("The Three Graces") (12)

"Second" (12) (10)

Baritone Songs.

"I'm a Little Teapot" (12)

"Wimmen! Oh Wimmen" (12) Phillips

"King Charles" (Soprano) Robert

"A May Morning" (12) (10)

Orchestra.

Fox-trot, "Parisian Pierrot" (21), Waltz,

"Love", One-step, "Jonah" (23)

10.00—WEATHER FORECAST and NEWS S.B. from London

Dr C. W. SALEEBY S.B. from London  
Local News

10.30 THE SAVOY BANDS S.B. from London

12.0 Close down.

Announcer W. M. Shewen.

## ABERDEEN.

1.30 2.15—The W. M. S. Quartet (Fiona, Elizabeth, Winifred, Winona) (12) (10)

2.15-3.0—CHILDREN'S CORNER.

3.0—WEATHER FORECAST and NEWS S.B. from London

An Explanation of Life Assurance, by a Local Expert.

Local News.

7.30 8.0—Interval.

8.0—This Week's Interesting Anniversary

"The First International Conference to

1813. (Compiled by John Sparks Kirk-

lane)

8.30 THE WIRELESS ORCHESTRA.

"Pavane Suite" (Percy Filmer)

## IMPORTANT TO READERS.

LETTERS FOR THE EDITOR should be addressed to "The Radio Times," 8-11, Southampton Street, Strand, W.C.2.

LETTERS FOR THE B.B.C. containing programme suggestions or criticisms, should be sent to the Organiser of Programmes, 2, Survey Hill, B.C.2.

"The Radio Times," the official organ of the British Broadcasting Company, Ltd., is concerned solely with broadcasting programmes, and the technical problems relating to their transmission.

CHAPPELL  
WEBER  
BROADWOOD  
pianos are in use at the various stations of the B.B.C.

8.15

"Wellington Ode."

"On the Death of the Duke of Wellington" (September 14th, 1852). By Alfred, Lord Tennyson. Set to Music by Charles Villiers Stanford (1)

Cast MARY FERRIER (Soprano) ROBERT WATSON (Baritone)

2.30 3.15—WEATHER FORECAST and NEWS S.B. from London

Dr C. W. SALEEBY S.B. from London

Local News

3.30 THE SAVOY BANDS S.B. from London

Local News

4.30 THE SAVOY BANDS S.B. from London

Local News

5.30 THE SAVOY BANDS S.B. from London

Local News

6.30 THE SAVOY BANDS S.B. from London

Local News

7.30 THE SAVOY BANDS S.B. from London

Local News

8.30 THE SAVOY BANDS S.B. from London

Local News

9.30 THE SAVOY BANDS S.B. from London

Local News

10.30 THE SAVOY BANDS S.B. from London

Local News

12.0 Close down.

Announcer Ned M. Lewis

## GLASGOW.

11.0-12.0 (noon).—Rehearsal for All Children who want to sing in the Fairy Revels at 5.15 p.m.

3.30 4.30 The L. & A. Chorus, The Wireless Quartet and Dorothy M. Turnbull (Soprano)

4.30-5.15 TOPICS FOR WOMEN

5.15-6.0 C. W. LDRPN S. BNP. "Sister" (12) to Circle Chorus Fairies

6.0-6.5 Weather Forecast for Farmers

7.0 WEATHER FORECAST and NEWS S.B. from London

Mr. F. A. V. JACKSON S.B. from London

Glasgow Radio Society Talk.

Local News

To-day's Interesting Anniversary: "The Capture of Quebec September 13th 1759."

7.45 8.0—Interval.

**Special Dance Night.**

JOSEPH FARRINGTON (Bass)

THE STATION OF THE B.B.C.

Conducted by ISAAC LOSOWSKY

Violin & Violoncello played by

DANIEL SEYMOUR (Tenor)

8.0 Orchestra.

Dance Music

8.30 Jester Party (12)

"Dido, Not Young Lover" (Handel (1))

Concerto Arpeggi (La Bohème)

Practo, "I Prigioni" (Leontine)

Orchestra.

Dance Music

9.30 Joseph Farrington

"The Sinfonia" (See)

"The L. & A. Chorus" (See)

"A Dream Ship" (Aida) (6)

"The Song of the Rame" (See)

Orchestra.

Dance Music

10.0 WEATHER FORECAST and NEWS S.B. from London

Dr. C. W. SALEEBY. S.B. from London

Local News

10.30 THE SAVOY BANDS S.B. from London

Local News

12.0 Close down.

Announcer R. E. J. K. Kinsley

A number against a musical item indicates the name of its publisher. A key list of publishers will be found on page 65.

# B.T.H. Loud Speakers



**I**F you want the very finest loud speaker reproduction you will get one of the B.T.H. Loud Speakers illustrated in this advertisement. In the design of these new and original models we have been able to avoid the mistakes of other and earlier manufacturers.

#### Form D

This loud speaker is of the electrodynamic type, in which a permanent magnetic field is generated by a battery of cobalt-steel magnets, thus avoiding the necessity for a field exciting accumulator. The Form D Loud Speaker will comfortably be heard in a medium sized hall.

#### Form C 1

The receiver portion of this loud speaker is encased in polished aluminium and is fitted with an air-gap adjusting screw.

#### Form C 2

This is the most suitable loud speaker for home use. It gives perfect reproduction, is extremely sensitive and has a variable air gap.

**Buy a B.T.H. Loud Speaker  
for better hearing**

Form D  
Price  
£12 10 0

Form C 1  
Price  
£2 0 0

Form C 2  
Price  
£3 5



## The British Thomson-Houston Co. Ltd

*Wholesale only*

Works: Coventry

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Sale Agents for the Music & Gramophone Trade

The Murdoch Trading Company,  
58 & 61 Clerkenwell Road, London, E.C. 1

Branches at Belfast, Birmingham, Cardiff,  
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borough, Manchester, Newcastle, Swansea,  
Sheffield

## Listeners' Letters.

[It is a privilege for the Editor to be acknowledged in this way. The names of the senders of letters are not mentioned.]

### Choosing a Career Through Wireless.

DEAR SIR.—It may interest you to hear that my son is now in training on the training ship *Mercury*. His Uncle, Banta, as a result of a talk on the wireless on "A Career for Boys," and our inquiries at the same. He is happy and quite content by his letters, and we are satisfied.

I took him to the college, and was quite pleased with its arrangements.

Yours truly,

Turnditch, near Derby.

V. H.

[As a result of the address on "Sea Training for Boys" from Birmingham Station, by Lieut. A. E. Spev, R.N.V.R., several lads have taken up a career in the Royal Navy and Merchant Service. A number of letters of appreciation have been received from parents and guardians similar to the one given above.]

### Chelmsford on the Continent.

DEAR SIR.—I learn that there is still a certain amount of adverse criticism regarding my wireless. All I can say is that were Chelmsford stopped, wireless would at once lose half its interest for me. Using only two of my four valves, I receive "5XX" quite as loudly as Brussels (which is only a mile away) and much clearer and more distinctly. Speaking comes through with incredible distinctness, and it is almost impossible to believe that the voice travels across the Channel. I get no interference from "Radio 1," whatever, although it is hard to cut out "5XX" to receive "Radio 1"—still, who wants to get "Radio 1" when one gets such infinitely more interesting and varied programmes from London through Chelmsford?

Recently I fixed up a small indoor aerial in my attic. Five parallel wires each five yards long with down lead along walls to ground hook, and I get Chelmsford very well with that!

Yours truly,

Brussels.

F. H.

### Radio as Life Saver.

DEAR SIR.—Brought in a nursing home after a severe operation! With pain intolerable and all the fiends of torture seeming to fight against my weakened body, I saw the presence of Death standing at the opened door and had almost turned my face to the wall when the "scythe bearer" seemed to vanish suddenly and an ethereal form seemed to take its place, and signed for me to listen—pointing to the radio.

At once a glorious thrill ran through body and brain; my anguish and pain left me, and the beautiful strains of the cello quivered and the murmuring of leaves and the notes of nightingales fluttered! Then I knew I had had a divine message to live from one of God's angels.

The angel nurse told me she found me in a deep sleep with the head phones still on—the first sleep I had had for three days.

Yours truly, "Grateful."

### Wireless and the Wind.

DEAR SIR.—The following is an actual experience I had the other day. I went into a village inn where the landlord knew that I had a wireless set. "Well," he said, "how's your 'listener' get on?"

"I answered, 'I am getting excellent results.'

"Aye," he exclaimed, "this weather's all right for your job, because when it's so windy it blows it about so much."

This is an example of the need for some wireless education among certain folks.

Yours faithfully,

Staincross, near Barnsley.

W. S.

## Progress in Air Transport.

### A Talk from London, by Air Vice-Marshal Sir W. S. Branker, K.C.B.

ON August 25th, 1920, a British aeroplane left London and flew to Paris, carrying mails and passengers. This was the first flight of the first regular commercial air service in the world, and we may say that it marked the birth of that new and fascinating industry—Air Transport. Five years have passed, and it may be of interest to glance briefly at the progress that has been made.

During the first twelve months of 1920, it was soon that more than two or the most three, British aeroplanes left London in one day. During the past month of July, 1924, an average of about 10 British aircraft have flown every day from our air port at Croydon and from Southampton to various destinations on the Continent, and to the Channel Islands. We started by confining our operations to a daily service between London and Paris. To-day there are always three, and sometimes four, services to Paris by British aircraft, there are three services a day to Cologne, twice a

day to Guernsey, and we are calculating on a pilot flying for anything between 600 to 1,000 hours in the year.

The measure of safety attained by British aircraft is remarkable. During the past five years the regular services will have covered approximately 3½ million miles, and only three fatal accidents to passenger carrying aircraft have occurred, involving the death of only six passengers.

### Wireless to aid Pilots.

During these five years a sound and comprehensive system of ground organization for the Cross Channel services has been developed. Every aircraft flying on the regular services is

provided with a wireless telephone, and during the whole of his flight the pilot, or his crew, is in touch with the ground, with either our terminal station at Croydon, or one of the foreign air ports at Paris, Brussels, Cologne, and Rotterdam. By this means we know approximately the whereabouts of every aircraft, and can issue radio signals to enable us to inform any pilot by means of directional wireless of his exact position if he loses his bearings over the clouds or in fog.

As a result of this five years work we have the need certain facts regarding air transport:

(1) It is really a very safe means of travelling.

(2) It can be operated at 100 miles per hour for about 4s. to 4s. 6d. per ton mile.

(3) It is reasonably reliable and punctual.

(4) It is a very comfortable and restful form of transport, even with the aircraft at our disposal now.

(5) It saves a vast amount of time on long journeys, for example, 16 hours is saved between London and Berlin, and 12½ hours between London and Zurich.

(6) It is impossible with the number of passengers and weight of cargo obtained up-to-date in Europe to make air transport pay its way without financial assistance from the Government.

### More Traffic Wanted.

Our great object now is to make air transport pay its way because, until it does, its operations must always be limited by the amount of money which can be produced to subsidize it. There are three lines of progress towards this objective: (1) We must reduce the flying costs, (2) we must improve the standard of regularity and punctuality, (3) we must persuade the public to make more use of existing services and give us more traffic.

The biggest factor in the reduction of operating costs is the development of new type aircraft which can carry a greater paying load per horse-power than those of to-day. The Air Ministry have already ordered experimental aircraft which promise very well in this direction.

If we can hold our present position, or, better still, improve it, a vast aircraft manufacturing industry will be created in this country, and this country will be as valuable to us in the future as our shipbuilding trade has been in the past, and British aircraft will be flying in every quarter of the globe.

Owing to pressure on our space, Continental Broadcasting Programmes are unavoidably held over this week.



A Representative type of British Commercial Aeroplane



# Is Greenwich Time Always Right?

Radio and Scientific Errors. By Professor H. H. TURNER, F.R.S.

[Professor Turner was the Chief Assistant at the Royal Observatory, Greenwich, and therefore writes with special knowledge and authority on the subject of Greenwich time. He is a former President of the Royal Astronomical Society.]

ILLIONS of hearers are by this time familiar with the benefits of wireless telegraphy; many of them have heard the Greenwich clock tick at the specified moment and some have, perhaps, become a little impatient with the interruption to more amusing sounds, now that it no longer has the charm of novelty. It is not proposed to give here the reasons why these signals should be heard more ardently by those who feel little interest in them for themselves, perhaps the happiest lives are those in which reference to the clock, especially reference to an accurate clock, is seldom necessary. But even these fortunate mortals are dependent on others, certainly on sailors, and perhaps even more than they suspect upon astronomers and geologists; so that they may be willing to hear what important consequences to their potential benefactors (in any case, their fellow men) have flowed from this possibility of hearing the Greenwich tick at a distance so great.

#### A New Privilege.

The last two words go to the root of the matter. It is nothing new to be able to hear the Greenwich clock, or as an equivalent to infer the precise Greenwich time. For at least half a century it has been possible to telegraph the Greenwich time across the Atlantic, modified only by the necessary time of transmission through the cable. This transmission time is something under a quarter of a second, which, though large enough to trouble an astronomer, is of no consequence to sailors. But facilitate for having the time communicated in this way were but rarely put at the disposal of astronomers, and were never available for an ora unless they could stop to pick up the electric cable from the ocean bed. The exception sounds superfluous, but there are, after all, sailors who do this very thing, viz., those who go out expressly to repair a cable which has been broken or damaged. From the moment when they manage to pick up the cable and communicate through it with the shore they are in a position to have Greenwich time supplied to them; a quite exceptional privilege until the coming of "wireless," which conferred it upon all ships carrying a sufficiently sensitive receiving apparatus.

#### Helping Our Shipping.

Two questions are suggested by what has been said: Why does a sailor want Greenwich time? and how does he get it if he does not happen to be on a cable ship? The answer to the first is that his longitude *at sea* is found from two data: the time at the ship and the Greenwich time. The former he determines for himself, for instance, he knows that when the sun is highest it is his noon. If he also knows that moment to be Greenwich midnight, he infers that he is on the side of the world opposite to Greenwich. But he can only ascertain this second fact by cable message from Greenwich (or other accredited centre) or an equivalent.

And (to answer the second question) the equivalent has been hitherto supplied by carrying a chronometer (or several) with him on the ship, guaranteed to keep good time and set right (or error determined) at the last port. Beautiful chronometers are made now, capable of keeping time in all climates and weathers with great exactness.

Some years ago a cable-repairing ship only succeeded in picking up its cable after several weeks of bad weather in the Atlantic, and, naturally, one of the first questions asked of their comrades in England concerned the precise Greenwich time. This was sent in response from Greenwich itself but had to pass several junctions on the way, where it was transmitted probably without full knowledge of the accuracy required, so that it ultimately arrived at the ship out in the Atlantic with a considerable cumulative error. The crushing reply was returned, "We have better time on the ship than that!" The ship's chronometers, in spite of their toiling for weeks, could be trusted sufficiently well to detect and reject the signal carelessly sent.

And yet it seems possible that the chronometer may disappear from our ships as the horse has disappeared from our streets. The pessimist no doubt looks forward to the time when petrol is exhausted, and the world will banish its folly in allowing the horse to become extinct and the same evil prophet may gloat over the fate of ships which have let chronometer-makers starve for want of orders, only to find their wireless "jammed" in time of need. Meanwhile, Mr. Asquith will probably recommend us to "wait and see" what the immediate future will be in both cases.

#### A Scientist's Troubles.

The case of the astronomer turned geodesist (we will presently deal with him as an astronomer pure and simple) is very similar to that of the sailor. He, too, wishes to determine longitudes—not of ships at sea, but of observatories on land—and he, too, depended at one time simply on carrying one chronometer or more from place to place. Fifty years ago there was a Transit of Venus which Sir David Gill, then assistant to Lord Lindsay, wished to observe from a spot of unknown longitude. He took with him accordingly a large number of chronometers and used to speak feelingly of the necessity for winding and comparing them during the hours when the occasions when telegraph signals were available for longitude work were rare, and were due to very considerable generosity on the part of the cable companies, who had necessarily to forgo business profits during the hours when the cables were not at the disposal of the signalling astronomers. But in all important cases these generous concessions were made; and if any difficulties arose, they were not from the use of the cables, but from the astronomical observations made at the two ends. Some of them had long been familiar, especially that known as "personal equation."

#### Finding Errors by Wireless.

It was known that without introducing any error at all, if two astronomers attempted to determine the correct time from the stars at the same place and with the same instrument, they would get systematically different results. In consequence, it became the fashion, when determining longitudes, to exchange observers, even



PROFESSOR H. H. TURNER.

across the Atlantic, and the introduction of wireless signals would, in the ordinary course, have done nothing to obviate this difficulty, though it attracted attention from it by introducing another and a wholly unexpected one—a difficulty which, up to the present, has become more and more puzzling the longer it is studied.

To explain it fully, it should first be stated that a method had been found of reducing personal equation within very small limits. It does not much concern us here, and we will therefore briefly say that instead of allowing a star image to transit over a fixed spider-thread as formerly, the spider-thread is *alive* in sympathy with the wire, and its motion registered automatically. But imagine personal equation eliminated altogether, so that no error could arise from it. Then we might reasonably expect the time as determined in Paris to accord regularly with the time determined at Greenwich. There would be a difference, of course, due to the difference of longitude, which is about 9 mins. 21 secs. but after making this allowance once for all, we might reasonably expect the determinations to agree. They do not! That is the extraordinary fact with which astronomers have been brought face to face by the introduction of wireless. It is, moreover, not as geodists, but as simple astronomers that they have to face the difficulty, i.e., it is their observations of the stars which are apparently at fault.

#### Making Communication Easy.

Notice how the new knowledge depends on the facility of communication introduced by wireless. The disagreement now manifest could conceivably have been found out before by borrowing the use of telegraph lines frequently; but that would have involved a great tax on the patience and generosity of the companies. Nowadays, without disturbing anybody, the wireless signals sent out from Paris can be read at Greenwich and Edinburgh and elsewhere, and compared with the time determinations made at these other observatories; and it is thereupon found that one observatory, say Greenwich, after agreeing with Paris and Edinburgh, will depart from them by as much as a fifth or a quarter of a second, stay there for a week or two, and then come back.

Meanwhile, Edinburgh may have also shown some *error*. Professor Sampson, the Astronomer Royal for Scotland, showed a year or two ago at the Royal Astronomical Society a diagram of the relative behaviour of several observatories (including his own) for several years; and it is not too much to say that the general feeling was one of consternation. We had been putting far too much trust in our time determinations.

#### When the Earth Shakes.

One curious feature of this diagram was noticed. The agreement of the separate observatories was certainly much better during the War than after the Armistice. Is it possible that the agitation of the air (or the ground, or both) by the bombardment had some curious effect of shaking the telescopes into their accurate positions? This hypothesis is scarcely to be entertained seriously, but it will serve to show how far afield we may have to look for an explanation of this surprising and quite unexpected discrepancy. There seems to be also a paradoxical possibility that small instruments may give better results than larger ones; but these are only possibilities—no one has really been able as yet to make a suggestion accepted by others or credited by experience.

# Western Electric



## Loud Speakers & Detectors

Western Electric Wardian Wireless Apparatus, which goes to every corner of the World, has established the world over. The sets are designed upon the best possible principles and components employ the best quality materials. Rigorous tests and the most careful scrutiny are given to each piece of apparatus before it leaves our factories so that in ordering Western Electric apparatus our clients can be certain of getting the very best.

Western Electric Loud Speakers are recognised as World Standard. There is nothing quite so good, and nothing that can give the same wonderful quality of reproduction. The loud speaker illustrated on the right of this page, when used with its Associated Western Electric Power Amplifier, gives sufficient power for a concert hall. Ask your dealer for our booklets 528 and 529. He will be pleased to supply them.

### Western Electric Company Limited

Connaught House, Aldwych, London, W.C.2. Central 7345 (9 lines)  
Bridges, Birstall, Leeds, Manchester, Newcastle, Glasgow, Cardiff, Southampton,  
Liverpool, Dublin.



## Edinburgh Programme.

Week Beginning Sunday, September 7th.

SUNDAY, September 7th.

10.30-11.15 *Programme S.B. from London*  
 11.30-12.45 *Programme S.B. from London*  
**MONDAY, September 8th, and WEDNESDAY,**  
 September 16th.  
 10.30-11.30 *The 15th Army Band from*  
*London*  
 5.00-6.00 *CHILDREN'S CORNER*  
 6.00-7.00 *Programme S.B. from London*

TUESDAY, September 9th.

7.30-8.30 *The Wireless Quartet S.B. from*  
 7.30-8.30 *CHILDREN'S CORNER*  
 7.00-11.00 *Programme S.B. from London*

THURSDAY, September 11th.

3.30-4.30 *Programme S.B. from Glasgow*  
 7.00-8.00 *CHILDREN'S CORNER*  
 7.00-11.00 *Programme S.B. from London*

FRIDAY, September 12th.

3.30-4.30 *"The Roman Revellers" from*  
 4.30-5.30 *London*  
 5.00-6.00 *CHILDREN'S CORNER*  
 7.00-8.00 *WEATHER FORECAST and NEWS*  
 8.00-9.00 *Programme S.B. from London*  
 G. A. ATKINSON *S.B. from London*  
 10.30-11.30 *Programme S.B. from London*  
 8.00-9.00 *JOHN SHEDD NELSON*  
 9.00-10.00 *F. B. M. S. B. from London*  
 10.00-11.00 *Programme S.B. from London*

ALICE DYKES (Coloratura Soprano)  
 G. S. WOODWARD (Solo Piano)  
 R. W. CRESSWELL (Baritone)  
 JOE S. D. MILLER (Tenor)  
 Solo Piano and Percussion

Agnes Dykes  
 "Dormi, dormi, bel bambino" *Ricci*  
 "Help, thou poor fa" *Ricci*  
 8.30 *Classic Woodward*

Flute with Variations in E Major ("The

Woolly Mammoth") *John W. Taylor*  
 9.00-10.00 *Woolly Mammoth* *John W. Taylor*

8.00-9.00 *Agnes Dykes*  
 "Agnes Dykes" *John W. Taylor* (1)  
 Linda Lee *John W. Taylor* (1)  
 Vaughan Williams (1)  
 In the Silence of the Night" *Rachmaninoff*

8.45 *Agnes Dykes*  
 La. Here the Gentle Lark" *John W. Taylor*

10.00-11.00 *La. Here the Gentle Lark* *John W. Taylor*

9.30 *John D. Muller* (1)  
 10.00-11.00 *John D. Muller* (1)

9.30 *Classic Woodward*  
 10.00-11.00 *Classic Woodward*

10.00-11.00 *Prelude from Holberg Suite* *John D. Muller* (1)  
 10.00-11.00 *Arabesque in G Major* *John D. Muller* (1)

3.30 *Agnes Dykes*  
 "Waltz Up" *John D. Muller* (1)

8.00-9.00 *Montague Phillips*  
 "Sing, Joyous Bied" *Montague Phillips*

8.00-9.00 *The Party Finale* *A. Herbert Brewer* (1)  
 The Music of the Fin. *London Round* (1)

9.30 *John D. Muller* (1) *John D. Muller* (1)

9.30 *Chants de Rossignol* *John D. Muller* (1)

R. W. Cresswell

8.00-9.00 *Spring is at the Door* *John D. Muller* (1)

8.00-9.00 *Fair House of Joy* *John D. Muller* (1)

9.30 *I Hear a Thrush at Eve* *John D. Muller* (1)

Classic Woodward

8.00-9.00 *St. Sylvi in A Minor, Op. 25, No. 11* *John D. Muller* (1)

8.00-9.00 *Study in G Flat, Op. 25, No. 9* *John D. Muller* (1)

8.00-9.00 *Waltz in D Flat, Op. 64, No. 1* *John D. Muller* (1)

10.00-11.00 *Waltz for the Queen and King* *John D. Muller* (1)

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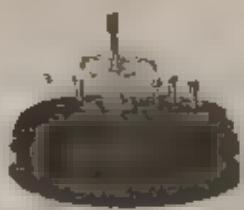
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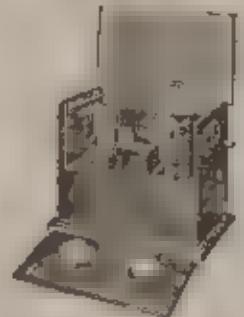
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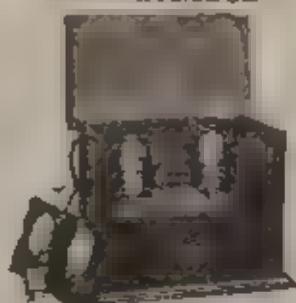
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Marconiphone Baby Crystal  
A radio receiver with  
Crystal detector and  
one valve.  
£1 10s. Od.



Marconiphone V 2. The  
Receiver Supreme.  
The most advanced Marconiphone receiver. It is the  
latest and most advanced  
self-contained Marconiphone  
valve receiver.  
Price, complete with all  
accessories, £18.9s. Od.



Marconiphone Two-Stage Voice  
Amplifier.  
A two-stage amplifier  
designed for general use and  
afforded of a great power.  
Price, complete with all  
leads and valves,  
£17 3s. Od.

## Your Receiver is here

Owing to the abolition of the British Broadcasting Company's Tariffs the current prices of the more popular Marconiphone models are now as set out in this announcement.

In the Marconiphone range of broadcasting receivers illustrated in this page there is a model for every purse. Every home in the land is specially provided for.

Each of these receivers is a signed masterpiece, the work of the best brains in Wireless. Every model bears the famous signature "G. Marconi" to show that it embodies everything for which this great name stands.

The Marconiphone V 2—the Receiver Supreme—alone, or complete with loud-speaking equipment in the Marconiphone Ideal Home Combination is the subject of the special Marconiphone Hire Purchase offer which also applies to the Marconiphone Two-Stage Voice Amplifier. Under the terms of this scheme, you can get the V 2 complete and ready for immediate use for £3 down. Post the coupon below and full particulars will be sent to you.



Marconiphone V 3 (Standard).  
For direct attachment to Loud Speaker. A two-stage receiver  
designed to give maximum  
volume and clear speech  
without any loss of musical quality.  
Price, complete  
£235 12s. Od.



Marconiphone V.B.4.  
For direct attachment to Loud Speaker.  
This model consists of a highly efficient  
loud speaker. It has a very  
large volume and gives very  
great volume, tone, and absolute  
purity of sound.  
Price, complete £73 15s. Od.



Marconiphone V 3 de Luxe.  
This model is the Marconiphone V 3 with a hand-crafted wooden cabinet.  
Price, complete  
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Marconiphone Single-Stage  
Voice Amplifier.  
An all-electronic model giving  
a high degree of volume  
and musical quality.  
Price, complete  
£48 5s. Od.  
This equipment is suitable  
for a radio combination.  
An ideal model for  
factory and office  
use, or for a small  
home. It can be used  
with the Amplifier  
unit if desired.

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*The Triumph of the Master Mind*

THE MARCONIPHONE Co. Ltd.,  
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Please send me a free copy of the book "The  
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Purchase Application Form.

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# OSRAM *The Thoroughbred*

Since family history has a direct bearing on individual performance, certain factors are wisely taken into consideration in the choice of a blood animal.

Analogous factors ought also to be borne in mind in your choice of a wireless valve . . . *Look to its ancestry!*

Marconi and Osram—such is the pedigree of MARCONI VALVES—the thoroughbreds of wireless valves.

*Get the Vult. in the Purple Box.*

# MARCONI VALVES

Sold by all Wireless and Electrical  
Dealers, Stores, etc.

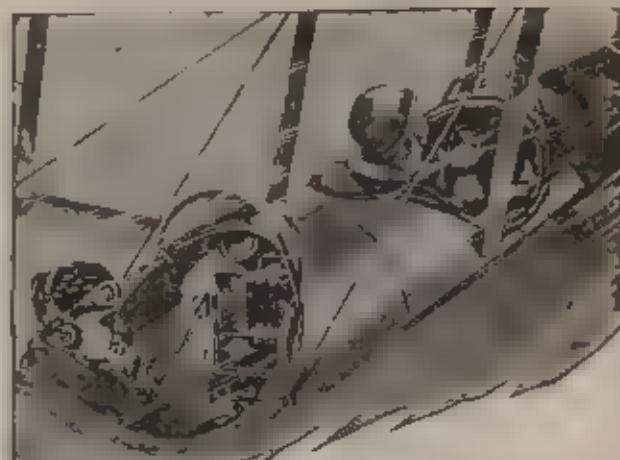
# ALL BRITISH RADIO EXHIBITION

(Produced by the Society of British Radiophiles)

## Royal Albert Hall Sept 27th to Oct 8th

### THE M.O. VALVE CO., LTD. Stand No 21

ANNOUNCEMENT OF THE M.Q. VALVE CO., LTD.



They were used  
in the cockpits  
of the R.A.F.  
*—read what a  
user says to-day*

Dear Sirs,  
Please forward me a  
pair of your British Extra-  
ton 4,000 ohm phones,  
as advertised in Radio  
Times at 75s which I  
enclose. They have been  
recommended to me by a  
friend who has used a  
pair for years.

I asked another friend the other week which were the best phones. Without hesitation he answered

Isabella.  
Your sincerely,

**I**N 1909 the British Admiralty adopted Ericsson British Telephones as standard just because of their wonderful sensitivity and robustness. This lead was followed by the Air Board in 1917. Through scientific research and experiment we have so immensely improved them that to-day they stand alone as "The World's proved best phones."

Read the accompanying letter just sent us, try a pair of Ericsson (British) Telephones and you will "without hesitating" agree as to what are the best phones to-day. Prices at all good dealers.

120 ... ... 24/6  
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But he is still on testing "Ericsson, Preston, Notts," on which carriages to avoid "continental" unit Notts.

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Buy British Goods Only

## Leeds—Bradford Programme.

Week Beginning Sunday, September 7th.

### SUNDAY, September 7th.

2.30-3.30 } Programmes S.B. from London.  
8.30-9.30 }

MONDAY, September 8th, WEDNESDAY, September 10th, and SATURDAY, September 13th.

3.30-4.30. Bensley Chant and Job Orchestra relayed from the Tower Picture House, Leeds.

5.0-6.0.—CHILDREN'S CORNER

7.0-8.0—Programmes S.B. from London.

TUESDAY, September 9th, and THURSDAY, September 11th.

2.30-4.30. Bensley Chant and Job Orchestra relayed from the Theatr Royal Picture House, Bradford.

5.0-6.0.—CHILDREN'S CORNER.

7.0-8.0—Programmes S.B. from London.

### FRIDAY, September 12th.

2.30-4.30. Harold Gee and his Orchestra, relayed from the Tower Picture House, Bradford.

5.0-6.0.—CHILDREN'S CORNER.

7.0.—WEATHER FORECAST and NEWS.  
S.B. from London.  
G. A. ATKINSON S.B. from London.  
London News.

3.30-8.0—Interval.

### Local Programmes.

MONDAY, September 8th, 1924, 10.00-11.00 a.m.  
A. E. KEEFORD, "The Old Grey Mare,"  
A. V. WATSON, "The Old Grey Mare,"  
EVELYN M. H. TEE, "The Old Grey Mare,"  
A. E. KEEFORD, "The Old Grey Mare,"  
CHARLES DAVIES, "A Mountain Song."

8.30-9.30. Evelyn M. H. Tee.  
"Silent Noon" ... R. Vaughan Williams.  
"The Love Pipes of June" ... *Music Box Day*  
Harry Watson.

"Concerto" ... *Music Box Day*  
Victor Hellwell.

"Only the Lenging Heart," Op. 8, No. 6  
Tchaikovsky (15);  
"When the King Went Forth to War"

"Benediction," Op. 47, No. 5 Tchaikovsky  
Anderson Tyre.

"Nocturne in D Flat" ... Chopin  
"Scherzo in B Flat" ... Chopin

8.45-9.00. James Feather.  
"Only Seven" ... *Music Box Day*  
"His First Long Troubles" ... Edgar A. Guest (18)

8.50-9.00. Evelyn M. H. Tee.  
"The Furies' Dance" ... Michael Head (1);  
"Dear Little Town" ... Sanderson (1)

9.00-9.15. Harry Watson.  
Introduction and Rondo Caprice W. H. Reed

9.15-9.30. Evelyn M. H. Tee.  
"Silent Noon" ... R. Vaughan Williams  
"The Love Pipes of June" ... R. Vaughan Williams (1);  
"A. V. Watson, "The Old Grey Mare,"

"Old Grey Mare," ... Evelyn M. H. Tee  
"Come into the Garden, Maud," ... Anderson Tyre

9.30-9.45. Evelyn M. H. Tee.  
"Carambella, "Venezia e Napoli" ... Ladd

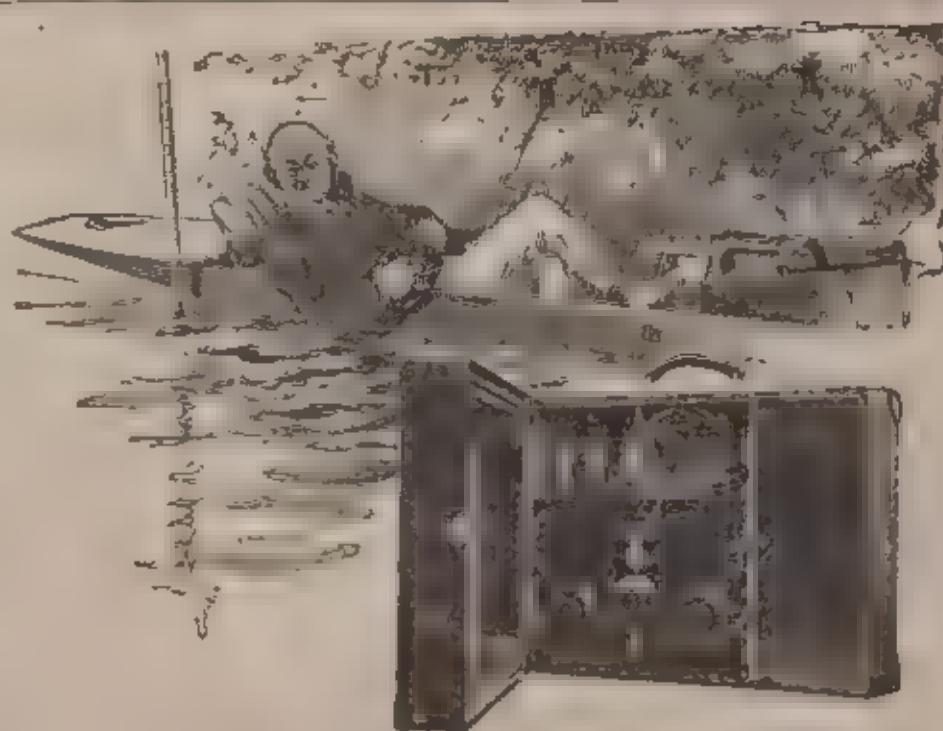
9.45-9.55. James Feather.  
Selection from "The Adventure of Brigadier  
Horn" ... Sir Arthur Conan Doyle  
(With permission of the Author)

10.00-10.15. WEATHER FORECAST and NEWS.  
S.B. from London.

Topical Talk  
Local News.

10.30.—Close down.

Announcer: G. P. Fox.



## "I know a bank . . ."

What is it our Italian friends say for "taking it easy"? "dolce far niente," isn't it? That is what I am doing on this glorious summer evening. Auntie Fellows and the youngsters have once more deserted me—Wembley again—but so long as there is a punt by the cool, green bank, a pipe, and my "Portable Three," loneliness has no dread.

I often think that a Portable Three is one of the best investments anyone can make. It is so free from trouble. Only a switch to turn and the phones to put on. Once you have tuned in—in itself a most simple matter—you can leave the adjustment set for that particular station for ever if you wish. "Broadcasting at the turn of a switch," I call it.

To-night when our friends come in I shall just tack the Portable Three on to my aerial, join up the Volutone Loud Speaker and we'll dance on the lawn.

Then when the Winter sets in I shall keep it attached to the outdoor aerial and it will become a "permanent" set.

Undoubtedly a good investment.

### THE PORTABLE THREE.

A completely self-contained valve set including all aerial, earth wire, or aerial condensers.

Price (Headphones included) £14-0-0

In case, with side case £15-0-0

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Marconi Tax 17s.

3 Dip. Frequency Valves

etc. £1-0-0

# FELLOWS WIRELESS

## READ THESE LETTERS.

The following letters are typical of the thousands received from men and women who have learnt French, Spanish or German by the new Pelman method.

## MONTHS EQUAL YEARS.

I have managed, during the past few months, to obtain a better knowledge of colloquial and idiomatic French than I acquired in three years at school. (C. 148)

## EIGHT MONTHS EQUAL EIGHT YEARS.

This is the easiest and quickest way of learning foreign languages. I was not able to study very regularly but in the space of EIGHT MONTHS I have learnt as much Spanish as I learnt French in EIGHT YEARS at school. (S.M. 119)

## FOUR MONTHS EQUAL FOUR YEARS.

I am delighted with the progress I have made.

I have learned more French this last FOUR MONTHS than I did before in FOUR YEARS. I enjoyed the Course thoroughly. (W. 149)

## RESULT OF EIGHT WEEKS' STUDY.

I was invited lately to meet a Spanish lady who was filled with genuine surprise and admiration at the amount I had learnt in EIGHT WEEKS. I do most of it on omnibuses and at meals. (S.M. 219)

## FRENCH LEARNT IN SIX MONTHS.

After several years' drudgery at school I found myself with scarcely any knowledge of the French language, and certainly without any ability to use the language. I realize now that the method was wrong.

After about SIX MONTHS' study by the Pelman method I find I have practically mastered the language. (D. 143)

## SPANISH IN SIX MONTHS

I am very satisfied with the progress I have made. I can read and speak with ease, though it is LESS THAN SIX MONTHS since I began to study Spanish. All the lessons have interested me very much. (S.M. 181)

## ASTONISHING PROGRESS

I am more than satisfied with the progress I have made—I am astonished! It would have taken me AS MANY YEARS to learn by any ordinary system as much as I have learnt in SIX MONTHS by yours. (F. 145)

## ONE THIRD THE USUAL TIME

I have learnt more and better French in the last FOUR MONTHS than previously I had learnt in THREE THAT PERIOD. (M. 241)

Further letters describing the merits of the new method will be found in the particulars which will be sent free to everyone who uses the coupon printed on this page to-day.

## THE GIFT OF TONGUES.

By

ANTHONY SOMERS.

I have discovered a remarkable method of learning Foreign Languages, a method for which I have been looking all my life. I only wish I had known of it before; what toil, what drudgery, what disappointment I should have been saved.

It has sometimes been said that the British people do not possess the "gift of tongue." Certainly I never possessed that gift. At school I was hopeless. When the subject was French or German, Latin or Greek, I was always somewhere near the bottom of my form. And yet in other subjects—English or History or Mathematics—I had my own quite well. I have now come to the conclusion—my recent experience has convinced me of that—that the reason I failed to learn languages was that the method of teaching was wrong.

Now, although I never could "get on" with Foreign Languages, I have always wanted to know them—especially French. I have wanted to read the great French authors in the original. I have wanted to read Racine and Victor Hugo and Balzac, and that great critic whom Matthew Arnold so much admired, Sainte Beuve, in French, and not merely through the medium of a characterless translation. Besides, I have wanted to spend holidays abroad without being tied to a phrase book. And so I have often tried to find a method which would really teach me a Foreign Language. And at last I have found it.

## How to Learn Languages.

Some time ago I saw an announcement for "A New Method of Learning French, Spanish and German." Of course, I read it, and when I saw that this method was being taught by the well-known Pelman Institute, I wrote for their illustrated book "How to Learn Languages," and this so interested me that I enrolled for the Course in FRENCH. Frankly, it has amazed me. Here is the method I have wanted all my life. It is quite unlike anything I have seen or heard of before, and its simplicity and effectiveness are almost startling.

Consider, for example, this question with which the book (which, by the way, can be obtained free of charge) opens.

"Do you think you could pick up a book of 400 pages, written in a language of which you do not know a syllable—say Spanish or German or French—and not containing a single English word, and read it through correctly without referring to a dictionary?"

Most people will say that such a thing is impossible. Yet this is just what the Pelman method of language instruction enables one to do, and so remarkable is this method that I shall be greatly surprised if it doesn't revolutionise the normal methods of teaching languages in this and other countries.

The Pelman Language Courses are based upon an original yet perfectly sound principle, and one of

their most striking features is the fact that they are written entirely in the particular language (French, Spanish or German) concerned. There is not an English word in any of them. Even if you do not know the meaning of a single Foreign word you can study these Courses with ease, and read the lessons without a mistake, and without "looking-up" any words in a French-English, Spanish-English or German-English dictionary. This statement seems an incredible one, yet it is perfectly true, as you will see for yourself when you take the first lesson.

## Grammatical Difficulties Overcome.

Another important fact about this new method is that it enables one to read, write, and speak French, Spanish or German without bothering one's head with complex grammatical rules, or burdening one's memory with the task of learning by heart long vocabularies of Foreign words. And yet, when the student has completed one of the Courses, he or she is able to read Foreign books and newspapers and to write and speak the particular language in question accurately and grammatically, and without that hesitation which comes when a Foreign Language is acquired through the medium of English.

The Pelman method of learning French, Spanish or German by correspondence is fully explained in three little books (one for each language), and I strongly advise those who are interested to write for a free copy of one of these books to-day.



Everyone who wishes to learn FRENCH, SPANISH or GERMAN without difficulty or drudgery should post this coupon to-day to the Pelman Languages Institute, 95, Bloomsbury Mansions, Hart Street, London, W.C.1. A copy of the particular book desired will be forwarded by return, gratis and post-free.

## COUPON.

To the PELMAN LANGUAGES INSTITUTE,

95, Bloomsbury Mansions, Hart Street, London, W.C.1

Please send me a free copy of "HOW TO LEARN FRENCH"—"HOW TO LEARN GERMAN"—"HOW TO LEARN SPANISH" (cross out two of these), together with full particulars of the New Pelman Method of learning languages.

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ADDRESS . . . . .



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BECAUSE BEHIND IT THERE IS THE ASSURANCE OF UNFAILING SERVICE!

SPECIAL FEATURES:

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SILENT WORKING.  
CONSTANT VOLTAGE.  
LONG LIFE.

PRICES

15 volt	-	-	-	2/9
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90 volt	-	-	-	17/9

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A Special Fabric Just like Silk

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Medium Gents, Large Gents

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FOX TROT SONG

Copies from your local Dealers,  
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*West's*  
LTD.

LONDON,  
W.—

## Plymouth Programme.

Week Beginning Sunday, September 7th.

SUNDAY, September 7th,  
3.30 5.30. *Programmes S.B. from London*

MONDAY, September 8th, to THURSDAY,  
September 11th, and SATURDAY, September  
13th

3.30-4.20. Savoy Picture House Orchestra  
Musical Director, Albert Hume  
5.30 6.30. CHILDREN'S CORNER  
7.0. onwards. *Programme S.B. from London*.

FRIDAY, September 12th.

1.30-4.30. Savoy Picture House Orchestra  
Musical Director Albert Hume  
6.30 6.30. CHILDREN'S CORNER  
7.0. WEATHER FORECAST and NEWS.  
"B. from London"

6. A. ATKINSON, & H. from London  
Local News

7.30 8.0. Local News.

Local Concert.

THE CLARIION MALE VOICE QUARTET  
IRIS SQUIRE (Soprano)  
REGINALD HAMLYN (Baritone)  
ETHEL HAMILTON AKASTER (Solo  
Vocal)

Gwen Clark (Entertainer).

6.1. *Concert*  
"The Wind of the World" .... Chappelle  
Iris Squire.

Violetta ..... Wright  
"Portrait at the Dining Room" ..... Drama and  
Scenes from "KING HENRY VIII"  
"She St. Wh."

"Queen Katherine's Appeal" (Act II.  
Part of Scene 4)

Queen Katherine ..... Gwen Clark  
Cardinal Wolsey ..... Edwin Birkin  
"The Fall of Wolsey" (Act III, Part of  
Scene 2)

Cardinal Wolsey ..... EDWIN BIRKIN  
Crown ..... E. R. WEALD  
First Handmaid ..... Adela  
Crown and Cardinal ..... The Bear in  
Courtney ..... Soprano

Quartet  
"At the Sign of the Swan" ..... Edgar  
"The Coming" ..... Bridge (11)  
Reginald Hamlyn

"A Song of Sixpence" ..... Soprano  
"I Will Sing" ..... Ireland (11)  
Sir JAMES L. COTTIER, Jr. F. H. S.  
"Flowers of the Forest" ..... Winter  
"Song of Love and Vegetation" ..... Colman Pro.

Four Dances from "The Rebel Maid" ..... Phillips  
Gwen Clark

"Real H'Anstaeney" ..... Franklyn Vernon (7)  
"Grandma" ..... Bennett (23)  
Mrs. H. Clark ..... Soprano

Mr. H. Clark ..... Soprano (23)  
Love Songs and a Quartet of Voices  
Openings

Quartet  
"Cradle Song" ..... Brahms (2)  
"A Sad Disappointment" ..... German (11)

10.0. WEATHER, FORECAST and NEWS.  
"B. from London"

Tea-time Talk  
Local News.

10.30. Ethel Hume on Accordion  
C. Hume ..... H. Hume

B. Recital ..... Sammons  
Etude Brillante ..... Alard  
Gwen Clark

"Alphonse" ..... Anon  
"Ze Kick Ball" ..... Anon  
Reginald Hamlyn

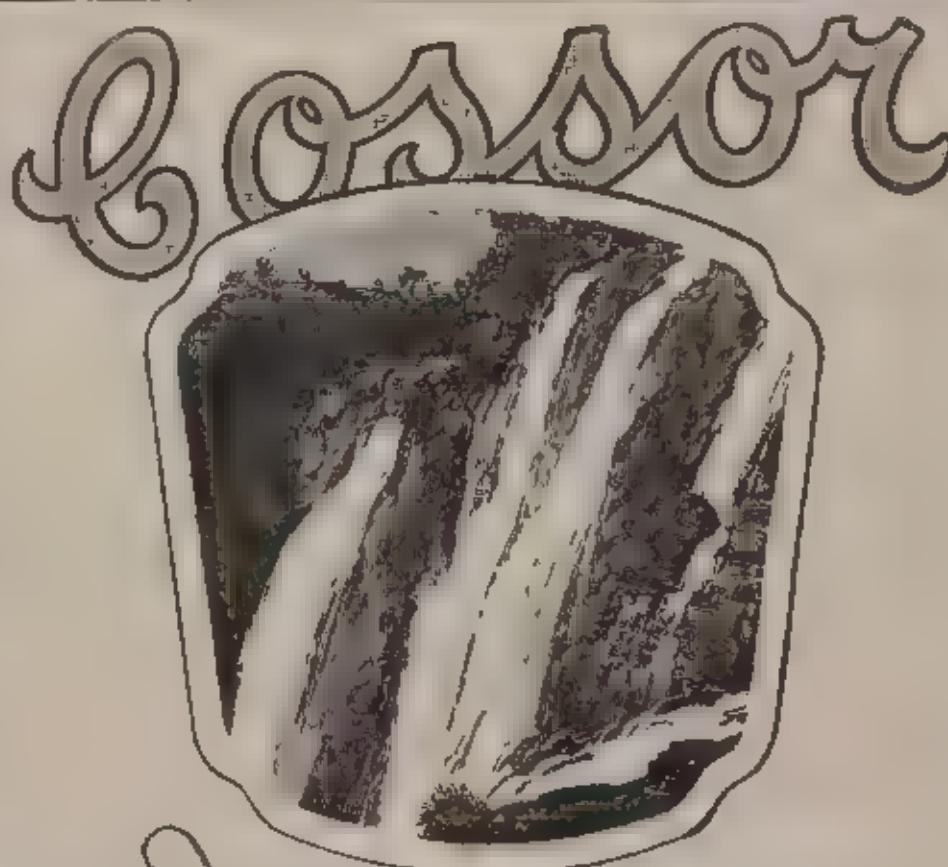
"The Yeoman of England" ..... German  
"The Vagabond" ..... Ireland

Quartet  
"Comrades in Arms" ..... Adam (2)  
Colman Pro.

"Twelve o'Clock at Night" ..... Rosemary and IT (2nd stage) (1)

Props and ..... Warren (9)  
11.15.—Close down.

Announcer: Clarence Goads.



## Wasted energy.

TO stand at the foot of a waterfall where thousands of tons of water come thundering down every hour unchecked is to realize that here is one of Nature's greatest gifts unused and unappreciated.

But the waterfall is not the only case of wasted energy—there is another just as serious in its way, although at first sight not quite so obvious. We refer to the ordinary Wireless Valve.

Every Valve makes use of the electron stream, given off by the heated filament. This electron stream, flying off in every direction, is caught by the Grid and the Anode. Upon the strength of the emission and the proportion actually used the efficiency of the Valve depends. In the Cossor Valve, on the other hand, the filament is almost entirely enclosed by the hood shaped Grid and Anode and none of the electron stream can escape. Obviously this superior design prevents any wasted energy and is entirely responsible for high amplification without distortion, perfect long distance reception and a complete absence of microphonic noises.

See that your next Valve is a Cossor and obtain all these additional advantages at no extra cost.



**Charge Your Own  
ACCUMULATORS  
AT HOME  
FREE OF ALL COST**



Cut out the continual yearly expense of having your accumulators charged. Eliminate the annoyance of being left with accumulators run down, up when you want them most and the trouble of carrying them to the nearest garage for re-charging.

Do away with all the RUMBLE, by charging your own accumulators at home and absolutely without cost.

If you have DIRECT Current only or if you have AC you can charge the battery in the same manner. Your battery is built to last.

**ULINKIN**  
(Patent No. 1,121,919)

**THE D. C. HOME BATTERY CHARGER,**

which charges your ~~TELEPHONE~~ ~~TELEGRAPH~~ ~~TELEGRAPH~~ whenever you are using lights, radiators, electric iron or vacuum cleaner. In any part of your house. Will not use more than one-tenth current than necessary size of coil.

Required no attention  
and cannot go wrong.

**AUTOMATIC IN ACTION  
PRACTICALLY EVERLASTING**

**Price £2 : 2 : 0** Carriage  
Free.

Complete with simple instructions for using.

**Illustrated Pamphlet and  
full certificates and free  
on request.**

**Pat. Pending No. 1,121,919**

**The GLEN-COLMAN SERVICE**

Dept. B

22, Fins Street, London, E.C.2  
Agents & Distributors throughout



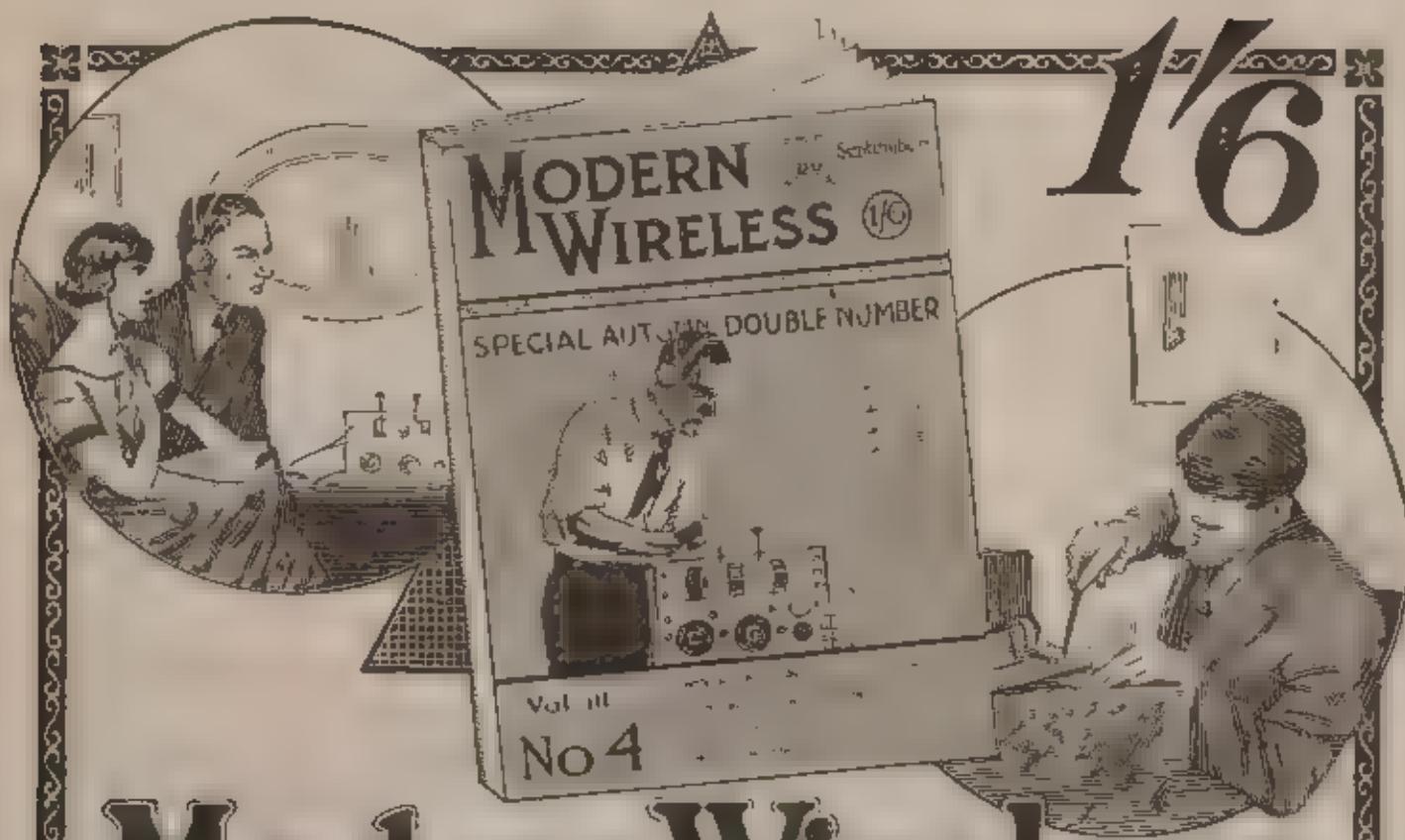
The logo for ZOX is displayed in a large, stylized, oval-shaped font. The word 'TWO' is at the top, and 'ZOX' is in a larger, bold font below it. The 'O' in 'ZOX' is replaced by a large, dark, irregular shape that looks like a bottle of powder. A man in a suit and tie is standing behind the logo, holding a small bottle of ZOX powder in his right hand. He is looking towards the camera with a slight smile. The background is a light, textured surface.

**6/6 "C"** **BRITISH  
MADE.** **"E" 8/6**  
R.A.F. "C" Valves made by Osram, G.E.C. Ltd. and Ediswan Co. the  
Finest H.F. and Det. valve ever offered under 3/- 4/- 5/- 6/-  
These were made under Government supervision at W.L. of the Broadcast  
Bands and these can only be bought from them under double security. They are  
new R.A.F. in every way. **£7** road box. **£4 10/-** **£3 15/-**  
Valves per box. **20** M.M. **20** M.M. **20** M.M. **20** M.M. **20** M.M.  
**£6 5s.** Alternator. **60** G. W. Wavemeter. **£3.** Transmitter. **15/-**  
**to £5 10s.** 1,000 Stock of Wireless. All parts made. Supplied  
and fit. **2/-** **3/-** **4/-** **5/-** **6/-** **7/-** **8/-** **9/-** **10/-**  
**LESLIE DIXON & CO.,** **2, Colmore Row, Birmingham, 1.**

MARINE SCHOOL OF SOUTH SHIELDS.  
**WIRELESS TELEGRAPHY**  
Complete Course for P.M.G. Certificate. FEE £15.  
*Fee holds good until Certificate is obtained*

"QUALITY  
—  
FLAVOUR" **BOURNVILLE COCOA** MADE UNDER  
WHITE CADBURY, BOURNVILLE, about Gift Scheme. IDEAL  
CONDITIONS  
SEE THE NAME "CADBURY" ON EVERY PIECE OF CHOCOLATE.





# Modern Wireless

Special Autumn Double Number

### The All-Britain Receiver

In this lesson we cover the full instructional details for an age 10-11 basic life skills module on fire. This includes fire prevention, fire one main ingredient, fire will eventually spread, fire's travel, the use of fire in different areas, water, which is used to put out fires, the cost of a property damage, fire safety, fire safety tips, fire safety equipment, a fire fighter, firehouse, fire safety rules, fire safety in vehicles, and fire safety building rules. You will get a great deal of pleasure out of it.

## A Tuner for the Experimenter

Experimenters throughout the country will be invited to use it until the 19th of October. Those fully described in this system, although not a part of the Committee set up to take care of those in the country, are a great experiment for the benefit of those who are not so fortunate as to find it.

#### A four-valve 'Double' Receiver

## A New Crystal Set

#### Many other special features

Now to make a double reaction Receiver  
 Now to make a 1-valve Radiogram  
 embodying the new tri-coil method.  
 Building a 1-Watt Amplifier to  
 the coil principle.

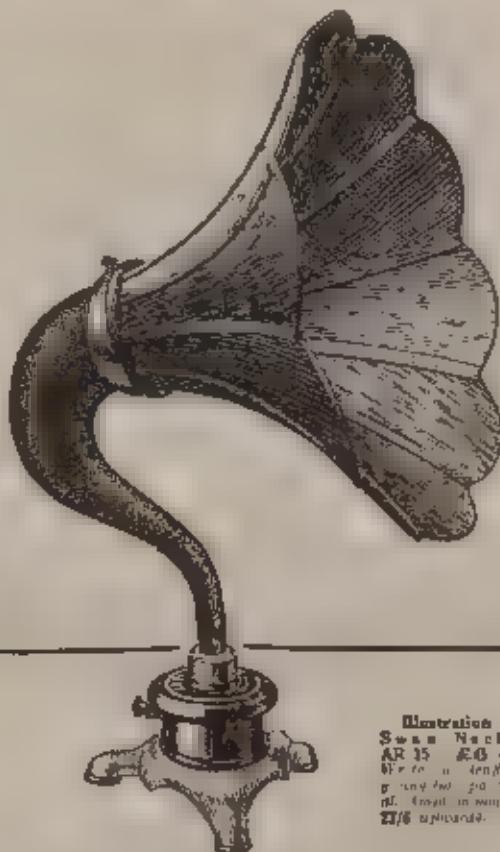
Now Broadcasting helps the  
 Experiments  
 Radiogram in theory and  
 practice  
 Above and below the Broadcast  
 Wavelengths.  
 Trouble Corner, Etc., Etc., Etc.

### **Read about the "tricoil" method of coupling**

Radio Press Ltd., Devereux Court, Strand, W.C.2.

156 pages - Get your copy to-day!

*For better Radio  
Reproduction*



## FOR THESE REASONS—GET AN AMPLION!

**I**N the Amplion you have the most effective sound-producing loud speaker in the world. It is the outcome of 40 years of successful experimental research by the House of Graham.

Sheer purity of tone, volume, and distortionless reception—these results are exclusive to the Amplion because they depend on certain patented features of design also exclusive to the Amplion. Every Amplion in use carries with it Free Amplion Service.

*The  
World's  
Standard*

# AMPLION

*Wireless  
Loud  
Speaker*

*Obtainable from all Wireless Dealers of repute.*

**ALFRED GRAHAM & CO.**  
(E. A. GRAHAM)

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LONDON, S.E.4.

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Sydenham 20142

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Caledonia, London

Telephone  
St. George 1100,  
B. 20142, S.E.4  
St. Stephen 20142

# The "Last Word" in High Tension Batteries

NOTE.—These remarks were made by Mr. Frank Phillips, M.I.R.E., A.M.I.E.E., Chief Engineer of Burndept Ltd., in a memorandum to the Sales Department, who consider that they will interest many Radio enthusiasts. Accordingly, by permission of the Chief Engineer, the memorandum is printed exactly as received.

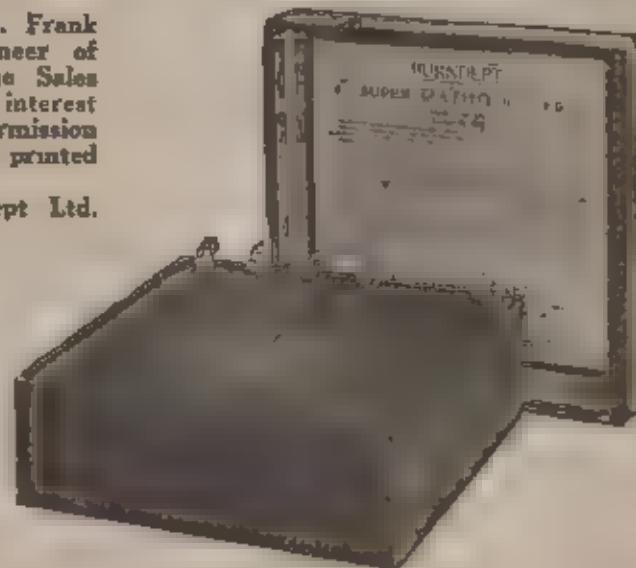
Sales Department, Burndept Ltd.

I WANT to impress upon your Sales people that High Tension Batteries have given us more trouble during the past year than any other component: the reason is simple. . . . the cells inside the average H.T. battery are too small for present day needs. Most batteries designed during the war, when light weight was more important than long life, were quite good enough a couple of years ago, when we listened on our two-valve sets to an occasional transmission, but as we now sell four or five-valve sets, which are perhaps used four hours regularly every day, we must stop putting small cell batteries into these sets. I have made up my mind that in future, this Company is going to sell one kind of H.T. battery only, and that it will be so large and so well made, that it will last for nearly a year, but because it is large it can't go inside sets, so all our designs are being changed to permit of external H.T. batteries. That makes the set lighter too, and keeps the inside free from corrosion from leaky electrolyte.

The average H.T. battery is made of small cells weighing about 2oz. each. In the new Burndept battery, the cells weigh about 4oz. The average battery is not a very attractive piece of work and is generally greasy so that one needs a nice looking case to keep it in. The new Burndept battery is strongly cased in a box which has the appearance of polished mahogany.

With our friends, Siemens, I have been working on this battery for months, and between us we have produced something so good, that as soon as it becomes known, it will be recognised on sheer merit as the only H.T. Battery worth buying. As it is a Burndept-Siemens product, designed by us, it will be obtainable only from us and from our agents.

I will now describe the battery in detail. The case is of



very stout and strong composition covered with special polished mahogany finished coating, with a lid to match. The over-all size is  $9\frac{1}{2} \times 9\frac{1}{2} \times 3\frac{1}{2}$  inches, and there is no external printing or marking. On removing the lid, the top of the battery is seen to be covered with a new hard insulating compound, dull red in appearance, perfectly smooth, practically unbreakable. Rising from this surface are five very strong brass contacts which are clearly marked, 20, 45, 45, and 50 volts. The battery is intended to be used normally to give 45 volts which is the proper operating voltage for all High Frequency and Detector Valves of the popular dual anode type. It is intended that, as the battery ages and the voltage drops, it may be kept up to the full 45 volts by connecting the connection successively to the 45 and 50 volt positions; in this way the battery will retain its full rated voltage of 45 until the very end of its life. When higher voltages are required for Power Valves, two or more batteries should be joined in series.

On test the new battery proves to be absolutely noiseless; this is due firstly to the care used in making the cells (every zinc is mercury amalgamated, every seam is run over with melted amalgamite and special care is taken with the deoxidizer), and secondly, to the very high insulation of the battery which is made in an inner container and flooded with paraffin wax, and this is placed in the outer container, which is insulated with our new compound. The battery actually weighs 12½ pounds, and on account of its size and quality you can safely tell our customers that:

It will operate a five-valve set four hours a day for at least 8 months—privately it is certainly good for a year.

As I am afraid that battery purchasers do not invariably receive absolutely unused batteries, I am having these batteries

packed and sealed individually each in a strong carton, so that they will reach the customer untouched.

In future, Burndept Ltd., will not deal in or stock any H.T. batteries (except those required for replacement in sets sold) other than the new battery, as that I think is the best way of making the public realise that the new battery is like all our other products, in a class by itself.

The official name of the new battery will be "The Burndept Super Radio Battery" 45-50 volts, catalogue number 202, price £2 12s 0d.

F. PHILLIPS

**BURNDEPT**  
WIRELESS APPARATUS

BURNDEPT LTD., Aldine House, Bedford Street, Strand, W.C.2.

Phone GERRARD 9172

LEEDS Basinghall Street (Off Bear Lane). CARDIFF, 67, Queen Street. NORTHAMPTON, 8, The Drapery.

Visit our Stand at the British Empire Exhibition,  
in the Palace of Engineering, Avenue 13, Bay 13.



# Brandes

*The Name to Know in Radio*



*Result of  
16 years'  
experience*

## *Young Bill was out for blood!*

Being of thoroughly British temperament he has no use for words and can find no voluble arguments. When his pals refused to believe his Brandes 'phones were best their wordy protests perplexed him. He could not explain why "Matched Tone" made such a difference, so he just waded in and tried to give 'em a hiding all round. When Father heard about it he was secretly pleased but suggested "Brandes" could speak for themselves. So Bill held a home demonstration and now his friends are certainly inclined to agree after hearing such sweet-toned reception. See now the smile that disturbs his face.

*Ask your dealer for Brandes.*

**25/-**

BRITISH MANUFACTURE  
I.A.C. Standard.  
Manufactured at Slough, Berks.

# Matched Tone

TRADE MARK

## Radio Headphones





## Columbus and the egg

Missing the obvious is a fault most of us are guilty of at some time or other and valve designers have proved no exception.

One of their chief aims has been to eliminate "mush," that roaring or hissing sound, which so often spoils what otherwise would be perfect reproduction.

It was found that "mush" was due to objectionable charges of electricity congregating near the anode and interfering with the electron stream.

All sorts of experiments were tried. Some increased the volume but at the expense of purity; others were free from distortion but still had "mush," and so on; and we seemed as far off as ever from

our ideal valve, giving ample volume, no distortion and no "mush."

Then suddenly came the obvious solution. We simply made a way of escape for these objectionable positive charges —we made the anode like a spiral and immediately we got silver clear reproduction with plenty of volume.

It has been decided to put the Silver Clear Louden on the market at the extraordinarily low figure of 10/- This represents a certain faith on our part. To justify it the Louden must sell in enormous quantities. But we cannot pretend to be taking much risk.

Once you have tried the Silver Clear Louden you will be satisfied with no other.



The Plain Louden for Detecting and Low Frequency Amplifying. Filament Volts 4.5-5. Filament Amps 0.4. Anode Volts 40-50.

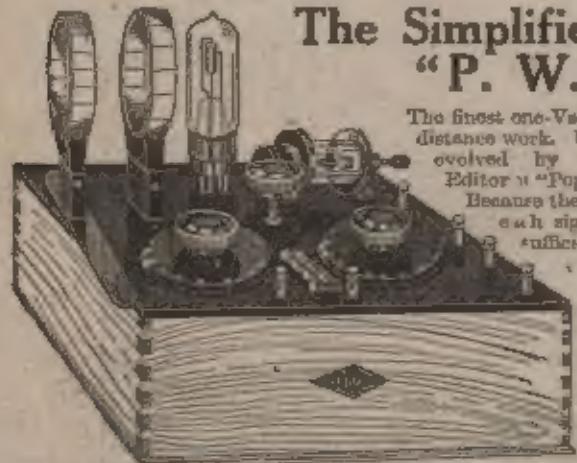
10/-

The Blue Louden for H.F. Amplification. All Loudens are silver clear and free from "mush." The current consumption is low and the life long.

## Louden Valves - Silver Clear

# These Super Sets— installed free of Charge

WRITE to-day for particulars of our new Service scheme in which we will send a technical man up to 50 miles from any of our Branches entirely without cost to you, to instal a new Receiving Set. If the Aerial is not already erected, our man will do this work, too, at a small extra cost. This service is not applicable to Crystal Receivers. Remember our guarantee that every Set will be left in perfect working order entirely to your satisfaction.



## The Simplified “P. W.” Set.

The finest one-Valve Set for long distance work. Uses the Circuit evolved by the Technical Editor in “Popular Wireless.” Because the valve amplifies each signal twice, it is sufficiently sensitive to receive every B.B.C. Station at good strength on the phones, and if within 5 miles or so from a Station it will operate a Loud Speaker.

Will receive all wave-lengths (including Chelmsford) by simply adding 2 coils. Marconi Royalty paid. £5-17-6

## S.T. 100.

The most popular Receiver of the year. At 50 miles from a B.B.C. Station it will operate a Loud Speaker, while from any spot in the country it will pick up all B.B.C. Stations and most Continental Stations on the headphones. Uses two valves, but by the reflex principles employed one valve is used twice. Every Instrument individually tested upon an Aerial under actual working conditions. Excluding Valves and Coils but including all Marconi Royalties. £8-5-0



## Peto-Scott Power Amplifier.

Complete with Power Transformer and Power Valves. Gives an immense volume, suitable for open-air summer-time use or for a concert hall. Complete with Power Valves and inclusive of all B.B.C. and Marconi Royalties. £10-10-0



## Send for this Radio Catalogue

4d

Contains 48 pages of fully illustrated Details of all Instruments and Components.

Also large illustrated folder of Peto-Scott Units containing much useful information and diagrams, together with the Book of the Unettes, a useful brochure for Wireless Students.

All these goods can be obtained from the following Branches, etc.

LONDON: 82, High Holborn, W.C.1.  
PLYMOUTH: 4, Bank of England Place.  
LIVERPOOL: 4, Manchester Street.  
CARDIFF: 16, Queen Street.  
WALTHAMSTOW: 230, Wood Street.

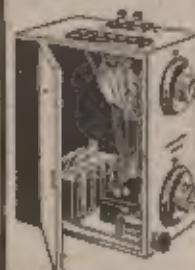
Registered Office for all Mail Orders  
77, CITY RD.

Gilbert Ad. 1301.

Printed by Newnes & Pearson Printing Co., Ltd., Hanover Street, Leadenhall Grove, W.C.1, and Published for the Proprietor by George Newnes, Ltd., 8-12, Southampton Street, Strand, London, W.C.2.—September 6th, 1924.

## A MARVELLOUS ONE VALVE SET.

Range of 100 miles under reasonable conditions for Telephony. With this Set you have a guaranteed average range of 100 MILES for Telephony, but it will receive 125 Marconi Royalty.



72/6  
plus 125 Marconi Royalty.

This is a Single Valve Wireless Cabinet for 72/6. If supplied complete in every detail, including 1 new type Edisonian '06 Valve, costing 30/-, Edisonian Featherweight phones, costing 24/-, High Tension, Low Tension, in fact, everything complete ready to connect to your aerial and receive all British Broadcasting Stations immediately, for £6-17-6, plus 125 Marconi Royalty for the complete set.

Order at once. Immediate delivery.

Leather or Pegwood cases can be supplied, rendering the Set easily portable.

## NEW TYPE CRYSTAL SET.

This new type Crystal Set embodies a new type Patent Variometer which allows of the fine tuning essential to loud and clear results. This Set is now supplied with coil to receive the new high-power B.B.C. Station which renders the Set available for reception, and at a distance of about 100 miles. Fitted with plugs for aerial and earth connections.

20/-

Post Free.



These Crystal Sets are tested at our Works (40 miles from B.B.C. Station). The set works efficiently from this distance and the maker's guarantee is enclosed in each set.

Satisfaction guaranteed or money willingly refunded if the Set is returned carriage paid and in proper condition within seven days.

ILLUSTRATED BOOKLET FREE ON REQUEST.

Bankers: National Provincial & Union Bank of England, Ltd.,  
WESTERN MANUFACTURING CO.,  
25, NURSHILL, LYDNEY, GLOS.

MAUD: Where can I get my films developed best? So many people spoil them.  
FLO: Why, don't you know? There is only one place, and that is

## MARRIOTT'S PHOTO STORES, HASTINGS

They do them promptly, and beautifully, and their prices are so reasonable. They never rush them, and sacrifice quality for speed. If you write to them, they will send you a post bag, and price list free.

## If each Crystal cost five shillings

GYMOSITE would still be the most economical crystal even if made of metal pieces, such as brass, because a crystal glass will break and cause reception and an ordinary crystal requires its sensitivity for its long. Yet these little pieces of Gymosite costs only 1/- per set containing several pieces. Price all Pictures or direct from—

NORMAN HALL, LTD., Curzon St., London, W.1. Post Free. GYMOSITE.

## THE SUPER CRYSTAL GYMOSITE

IN SEALED BOXES

The Polytechnic, Regent St., W.1.

## COURSES IN WIRELESS

## HIGH FREQUENCY ENGINEERING.

Commencing September 29th.  
Enrolments from Sept. 17th.

These courses extend over a period of two years, and include experimental work in the well-equipped laboratory.

Further particulars and prospectus from

The Director of Education.

## FILL YOUR PIPE RACK FOR 5/-

Every man enjoys a good smoke and although a good tobacco is necessary it is far more necessary to have a good pipe, and THE BEST PIPE for a good Crop, Sweet Smoker, is THE RADIO CLAY.

Manufactured from the Best Cornishware Clay, which, as it should, absorbs the tobacco, and

MOUNTED WITH A VULCANITE STEM. It is the ideal pipe for the discriminating smoker.

BOX CONTAINING TEN ASSORTED RADIO CLAY PIPES SENT POST FREE FOR 5/-.  
Sample Box of 3 Radio Clay Pipes Post Free, 1/-.

EDWARD POLLOCK, THE KIRK ST.,  
FACTORY, ACCOATE, MANCHESTER.





# ELECTRON WIRE THE PERFECT AERIAL

THIS WONDERFUL  
WIRE IS THE ONLY  
AERIAL  
WHICH CAN STAND  
THE RIGORS OF  
THE ARCTIC.

READ THIS AND BE CONVINCED.

Extract from the "Wireless Weekly," June 25, 1924.

## THE ALGARSSON ARCTIC EXPEDITION. ELECTRON WIRE IN THE ARCTIC.

A good deal of public interest has been aroused by the Algarsson Expedition from the Thames for the Arctic Circle. After the work is finished in the Arctic, the vessel will return direct across the Atlantic to New York. Their destination is a point some 200 miles from the Pole. She is a small vessel of 23 tons, and there was some difficulty in erecting the aerial. She possesses two masts between which it was quite impossible to string the aerial in the usual position, because her sails would have fouled it. A download between the two masts was naturally ruled out by the arrangement of the rigging. The only possible position for the span of the aerial was between the masts and a point in the bow, the aerial being of the twin type with 5 foot spreaders. The only possible point from which the download could be taken proved to be the upper end of the aerial, and a most difficult problem arose as to how this was to be brought down to the level of the deck. It could not be brought in the obvious manner straight down the mast, because it would have interfered with certain of the running rigging, and the only possible route for it proved to be down the steel ratlines, no doubt a very undesirable method, but the only possible compromise in the circumstances. Even after its arrival upon deck, the lead had to follow a somewhat devious route for some distance along under the bulwarks, and then across the deck, and through a skylight. Since a great part of the route of the download was liable to be wasted by spray at any time, and also to be submerged at intervals by seas breaking inboard, the question of the type of wire to use for this and for the aerial itself, whose lower extremity was liable to similar treatments, was naturally a serious problem. Recounting the erosive action of sea water, it was obvious that an extremely durable form of insulated wire was necessary. Led to the choice of ELECTRON the Cable now being sold by The New London Electron Works, Ltd. ELECTRON wire has great mechanical strength and resistance to corrosive influences, AND WAS USED FOR THE WHOLE OF THE AERIAL AND THE DOWNLOAD. Extract from the "Wireless Weekly."

June 25, 1924.

## THE SECRET OF "ELECTRON" WIRE.

Wireless experts agree that the other waves flow only on the surface or skin of the conductor which carries them. Therefore, aerials which consist of several small wires stranded together are more efficient than a single wire of thicker gauge.

It is also an established fact that SILVER is the finest conductor, closely followed by TIN. Silver is not only the expensive in use generally as an aerial, but for many technical reasons it is impracticable.

On the other hand, TIN, an expensive conductor, four times the value of copper, lends itself admirably, inasmuch as it can as easily be coated on other wires of the necessary strength and durability, so that it fulfills the purpose of a perfect conducting "Skin."

That each separate strand of wire is scientifically coated with a skin of pure tin.

Enthusiasts who are using "Electron" Wire in all parts of England and America report wonderfully clear results with either crystal or valve sets. The other waves penetrate the protective coverings, all incoming signals being held. Suspend "Electron" Wire where you will, lead direct to the set (no separate lead-in required), use "Electron" Wire for earth, and a greatly improved reception will be the result.

EXTEND YOUR "PHONES" or hand-speaker to any part of the house or garden with "Electron" Wire, which being insulated with vulcanized rubber, no further insulation is necessary. You may allow it to touch anything anywhere, indoors or out-of-doors, in perfect confidence. "Electron" Wire has no equal at ten times the price.

"Electron" Wire is ideal for all kinds of indoor Aerials, Frame Aerials, etc. There is plenty of scope for experimenting. Try every possible way of erecting, and quite likely some new arrangement will be found which will be of great help to others. The set should be as close as possible to the aerial. Lead in at right angles in one continuous length.

## The CHEAPEST AERIAL and the Best in the World.

Also for extending  
'Phones, Loud  
Speaker, etc.

Two 150 feet lengths twisted 300ft.	Two 250 feet lengths twisted 500ft.	Two 500 feet lengths twisted 1,000ft.
5/-	8/-	15/-

Do not send Stamps. Carriage Paid.

## PUBLIC WARNING.

Buy Electron Wire in BOXES ONLY. Take no substitute.

Some dealers try to deceive you. They make coils to look like Electron. They know the way to sell you another wire is to make it seem like Electron.

Buy Electron Wire in BOXES ONLY.

AVOID DECEPTION. Don't buy another wire made to look or to sound like Electron. LOOK AT THE NAME AND THE BOX.

## NEW LONDON ELECTRON WORKS, Ltd.

(Members of the B.B.C.)

Telephone: East 1421,  
East 5042,

4, REGENT'S DOCK, LONDON, E.14. Telegrams: "Stannum, London."

Buses Nos. 15, 23, 40, from Aldgate or Bank.

(Near East Stepney Station, L.N.E.R.)

THE AERIAL  
SIMPLY  
HANGS  
FROM ROOF  
OR WINDOW

## IDEAL FOR FRAME AERIAL.

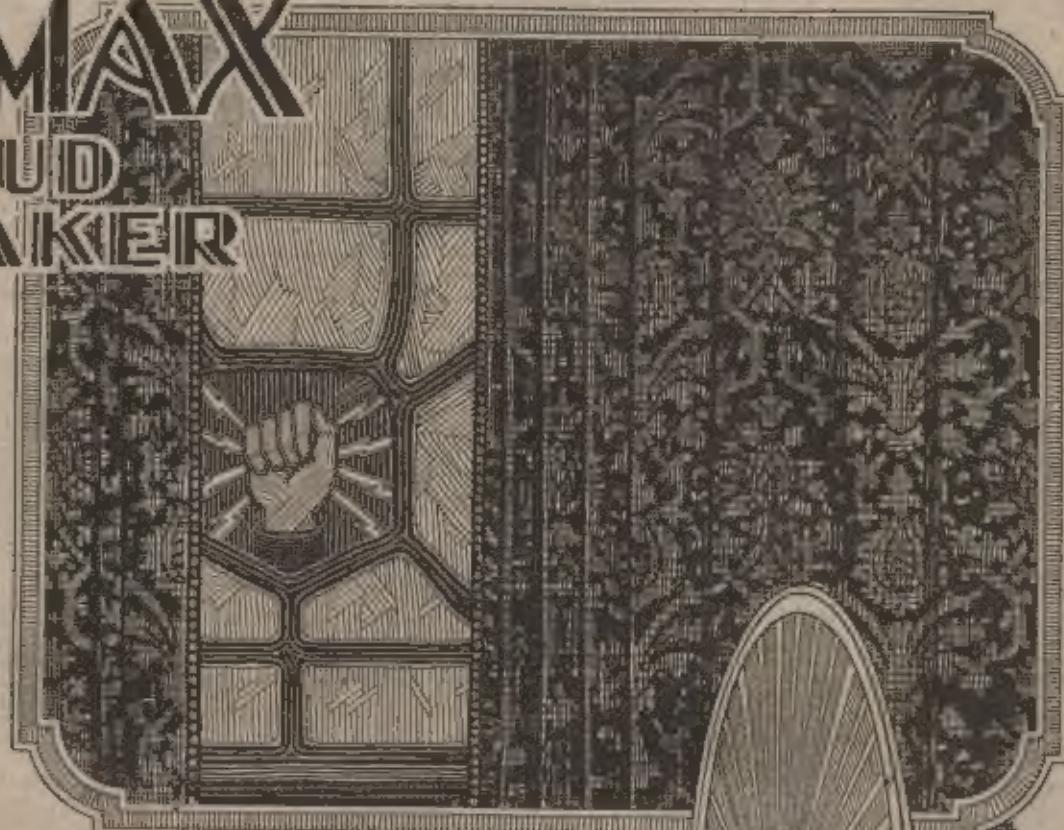
No further insulation necessary



## INDOOR AERIALS.

"Electron" Wire has been used with great success.  
Round the Picture Rail, Round the Cupboard Door,  
Parallel across the Room. Along the Corridor,  
Round a Fire Screen, and almost everywhere.

# STERLING PRIMAX LOUD SPEAKER



## The greatest achievement yet in Loud Speakers —

The lilt of a song, the power of a speech, or the rhythm of music . . . . . the Sterling "Primax" Loud Speaker reproduces the wonder of radio best. The Sterling "Primax" Loud Speaker is new—new in conception, new in design; it is hornless. The "Primax" is better—better in reproductive quality, better in sound distribution. Welcome in any room for the sake of its appearance and its purpose.

The Sterling "Primax" Loud Speaker consists of a very attractively shaped aluminium standard, attached to which is a neat cylindrical case containing electro-magnetic mechanism. This in turn is connected with a white pleated circular diaphragm, specially prepared and surrounded with an aluminium rim. The "Primax" is connected in the usual way with the receiving set and a knurled knob provides absolute control of volume.



The Sterling "Primax" Loud Speaker (Letters Patent Nos. 11915, 29, 205415, 205473 and 208659).  
2,000 ohms resistance, complete with  
12 feet of flexible cord. PRICE £7 : 7 : 0

## Your dealer can supply

Advt. of STERLING TELEPHONE & ELECTRIC Co., Ltd., Manufacturers of Telephones and Radio Apparatus, etc.  
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